






















Established in 1976 Barrett Communications designs, manufactures and markets HF and VHF radio equipment for specialised, autonomous, medium and long distance radio communications. HF and VHF radio communications is "free to air"; having no recurring usage charges once the communications network has been installed.

Barrett radio networks are capable of providing voice, email, data, fax, and tracking solutions for fixed base station, mobile and manpack portable applications. Our global distribution and customer support network provides easy access and backup for our customer base in over 150 countries globally.

This catalogue covers the Barrett tactical range of products including all related equipment.

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**Notes:-**

1. Specifications are typical. Equipment descriptions and specifications are subject to change without notice or obligation
2. For complete technical specifications please refer to your business development manager
3. Net weights provided are indicative and are subject to variation, they are provided as guide for operational use of products only.  
Packed weight will be determined based on orders once received and as such are not indicated in this catalogue.

# **PRC-4090 HF SDR Packages**

	Barrett P/ N	MSI P/N	Net Weight
PRC-4090 HF SDR Tactical manpack package	4090-00-10	TT4596A	10.0kg

**Standard features:-**

- 1000 channels with frequency range 1.5 to 30 MHz
- Power output 10 - 30 W PEP
- Software defined core & DSP
- Digital Selective Calling & Telcall - 4 & 6 digit
- GPS & RS232 interface
- Meets MIL-STD 810G for shock, temperature, vibration, dust and immersible to 1 m for 1 hr

**Optional Features\*:-**

- ECCM Options (COMSEC/TRANSEC)
  - MIL-STD 188-141B ALE (JITC certified)
  - Internal fit high speed modem
- \* For additional options and accessories, please see relevant section detail.

**Note:-** See brochure for more detailed information.  
 - IEC mains cord (UK, European, AUS and US style\* Selected at point of order)



**Includes:-**

1	PRC-4090 HF Tactical manpack transceiver	4090-00-01	DDN3727A
2	PRC-4090 Control handset	4090-01-09	DDN3764A
3	PRC-4090 Handset Cradle and Molle strap	4090-05-04	DDN3765A
4	Control Handset cable 1.2 metres	4090-01-12	DDN3767A
5	H-250 Tactical Handset	4090-01-14	DDN3550A
6	PRC-4090 Li-ion Battery Pack 16Ah	4090-03-05	DDN3548A
7	Collapsible Whip 3m - for PRC-4090	4090-02-10	DDN3759A
8	Gooseneck - for PRC-4090	4090-02-11	DDN3760A
9	Counterpoise earth kit - single wire	4090-02-09	DDN3761A
10	Long wire throw out antenna	4090-02-06	DDN3618A
11	AC/DC Mains Adapter for use with 4090-03-05 Battery Pack	4090-03-04	DDN3762A
12	Daypack - colour Multicam	4090-01-36	DDN3763A
13	PRC-4090 operating and installation manual	4090-00-02	DDN3766A

**PRC-4090 HF SDR Tactical mobile package**
**Standard features:-**

- 1000 channels with frequency range 1.5 to 30 MHz
- Power output 10 - 150 W PEP,
- Power input 12- 24 VDC nominal
- Software defined core & DSP
- Digital Selective Calling & Telcall - 4 & 6 digit
- GPS & RS232 interface
- Meets MIL-STD 810G for shock, temperature, vibration, dust and immersible to 1 m for 1 hr

**Optional Features\*:-**

- ECCM Options (COMSEC/TRANSEC)
- MIL-STD 188-141B ALE (JITC certified)
- Internal fit high speed modem
- Cooling fan

\* For additional options and accessories, please see relevant section detail.

**Note:-** See brochure for more detailed information.


**Includes:-**

1	PRC-4090 HF Tactical manpack transceiver	4090-00-01	DDN3727A
2	PRC- 4090 Control handset	4090-01-09	DDN3764A
3	Control Handset cable 1.2 metres	4090-01-12	DDN3767A
4	4090 Handset cradle docking station	4090-05-03	DDN3770A
5	H-250 Tactical Handset	4090-01-14	DDN3550A
6	PRC-4090 System docking station (SDS)	4090-05-00	DDN3775A
7	Anti-vibration mounting plate	4090-05-07	DDN3771A
8	DC power cable and connector (6.0 metres)	4090-03-06	DDN3768A
9	Tactical installation kit	4090-05-08	DDN3769A
10	RF Cable	SA-49169	DDN3772A
11	PRC-4090 operation and installation manual	4090-00-02	DDN3766A

## PRC-4090 HF SDR Tactical base package

### Standard features:-

- 1000 channels with frequency range 1.5 to 30 MHz
- Power output 10 - 150 W PEP, power input 24 VDC (with SDS and 24V power supply)
- Software defined core & DSP
- Digital Selective Calling & Telcall - 4 & 6 digit
- GPS & RS232 interface
- Meets MIL-STD 810G for shock, temperature, vibration, dust and immersible to 1 m for 1 hr

### Optional Features\*:-

- ECCM Options (COMSEC/TRANSEC)
- MIL-STD 188-141B ALE (JITC certified)
- Internal fit high speed modem
- Cooling Fan

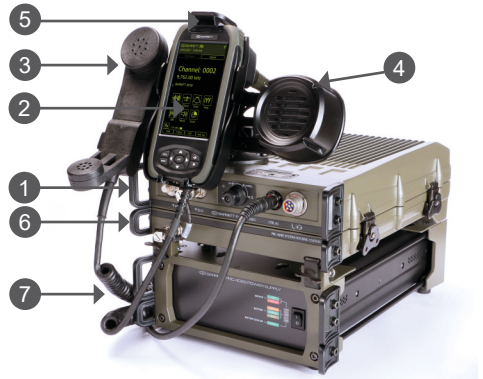
\* For additional options and accessories, please see relevant section detail.

**Note:-** See brochure for more detailed information.

### Includes:-

- 1 PRC-4090 HF Tactical manpack transceiver
- 2 PRC-4090 Control handset
- 3 Control handset cable 1.2 metres
- 4 4090 Handset cradle docking station
- 5 H-250 Tactical Handset
- 6 PRC-4090 System Docking Station (SDS)
- 7 PRC-4022 AC Power supply module - 24 VDC
- 8 DC Power Cable PRC-4022 to System Docking Station
- 9 RF Cable
- 10 IEC Mains power cable (UK, European, AUS and US style. Selected at point of order)
- 11 PRC-4090 operation and installation manual

Barrett P/ N	MSI P/N	Net Weight
4092-00-10	TT4599A	11.8kg



4090-00-01	DDN3727A
4090-01-09	DDN3764A
4090-01-12	DDN3767A
4090-05-03	DDN3770A
4090-01-14	DDN3550A
4090-05-00	DDN3775A
4090-06-01	DDN4028A
4090-03-02	DDN4027A
SA-49169	DDN3772A
SA-00020	DDN4409A
4090-00-02	DDN3766A

	Barrett P/ N	MSI P/N	Net Weight
PRC-4090 HF SDR Tactical transceiver	4090-00-01	DDN3727A	4.0kg

**Standard features:-**

- 1000 channels with frequency range 1.5 to 30 MHz
- Software defined core & DSP
- Digital Selective Calling & Telcall - 4 & 6 digit
- GPS & RS232 interface
- Meets MIL-STD 810G for shock, temperature, vibration, dust and immersible to 1 m for 1 hr

**Optional Features\*:-**

- ECCM Options (COMSEC/TRANSEC)
- MIL-STD 188-141B ALE (JITC certified)
- Internal fit high speed modem

\* For additional options and accessories, please see relevant section detail.

**Note:-** See brochure for more detailed information.

**Includes:-**

- 1 PRC-4090 HF Tactical manpack transceiver
- 2 PRC-4090 Control handset
- 3 Barrett PRC-4090 operation and installation manual
- 4 Control handset cable 1.2 metres



1	PRC-4090 HF Tactical manpack transceiver	4090-00-01	DDN3727A	
2	PRC-4090 Control handset	4090-01-09	DDN3764A	
3	Barrett PRC-4090 operation and installation manual	4090-00-02	DDN3766A	
4	Control handset cable 1.2 metres	4090-01-12	DDN3767A	

# **HF Hardware and Software Options**

Barrett P/ N

MSI P/N

Net Weight

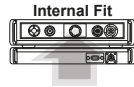
**Frequency hopping (export license required)**

4090-01-01

TT4310A

25 or 5 hops per second - no central synchronisation station, no net entry delay or late entry delay.

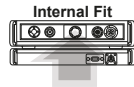
**Note:-** GPS/ESU to be purchased separately. This option requires an Australian Department of Defence Export Licence.


**Secure Call**

4090-01-02

DDN3693A

A point to point or point to multipoint Secure Call system initiated by the entry of a scramble key and the transmission of a Secure Call Selcall.


**2G Automatic link establishment (ALE)**

4090-01-03

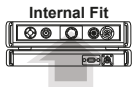
TT4308A

MIL-STD 188-141B 2G / FED-STD 1045 ALE

**Includes:-**

- 2G ALE Operation manual P/N BCM40524

**Note:-** When using ALE, at least one ALE fill program is required by the system administrator to set up the ALE network - this fill program is included in the 4000 series programming kit P/N 4090-01-30, DDN3609A.


**3G Automatic link establishment (ALE)**

4090-01-04

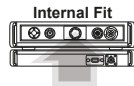
TT4352A

3rd generation to STANAG 4538.

**Includes:-**

- 2G/3G ALE Operation manual P/N BCM40524

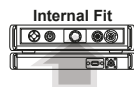
**Note:-** One transceiver must be fitted with GPS per network to allow ALE3G synchronous operation.


**Free Scroll Tx**

4090-01-28

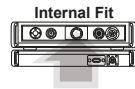
DDN3598A

Allows voice transmission while using the Free Scroll Rx feature of the PRC-4090 transceiver.



	Barrett P/ N	MSI P/N	Net Weight
Digital voice module: DV	4090-01-42	DDN3811A	

Digital Voice Vocoder Module 700/1200/2400 bps



**Includes:-**

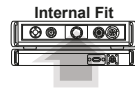
- "TWELP" Vocoder
- Clear Digital Voice

**Notes:-**

- Factory internal fit only
- Does not include encryption
- Can be implemented with Mil Data standards

Secure digital voice module with DES 56 encryption - SDV-56	4090-01-41	TT4369A	
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Secure digital voice module auto vocoder 700/1200/2400 with DES 56 encryption



**Includes:-**

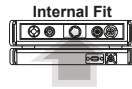
- "TWELP" Vocoder
- Clear Digital Voice

**Notes:-**

- Factory internal fit only
- This option requires key management and Configuration Load software
- Can be implemented with MIL Data standards
- **This option does not require an Australian Government Export Licence**

	Barrett P/ N	MSI P/N	Net Weight
Secure digital voice module with AES 256 encryption - SDV-256	4090-01-40	TT4309A	

Secure digital voice module auto vocoder 600/1200/2400 with AES 256 encryption



**Includes:-**

- "TWELP" Vocoder
- Clear Digital Voice

**Notes:-**

- Factory internal fit only
- This option requires key management and Configuration Load software
- Can be implemented with MIL Data standards
- **This option requires an Australian Government Export Licence**

PRC-4090 HF Programming Kit	4090-01-30	DDN3609A	0.10 kg
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**Includes:-**

- Software (Operating manual included on the USB) P/N USB-40001

**Note: Interface Pack Required**  
See Page 19

4000 Series HF Remote Control Software (Windows)	BCO40516	DDN3543A	0.80 kg
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Enable control of a 4000 series transceiver from a Windows desktop computer.

**Includes:-**

- 4000 Series Programming Software on USB
- Buddy desktop microphone P/N BCA40017
- Desktop headphone P/N BCA40018



Key Management and Configuration Load software AES 256	4090-01-50	DDN3612A	
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For use SDV-256 - P/N BCO20520  
Compatible with 4038 TAC Message (P/N 4090-04-38 TT4372A) and 4078 TAC Command (P/N 4090-04-78 DDN3695A) software.

**Note: Interface Pack Required**  
See Page 19

**Includes:-**

- Key Management and Configuration Load - AES 256 software P/N BCUSB40520

	Barrett P/ N	MSI P/N	Net Weight
Key Management and Configuration Load software DES 56	4090-01-51	DDN3610A	

For use with SDV-56 - P/N BCO20521  
 Compatible with 4038 TAC Message (P/N 4090-04-38 TT4372A) and  
 4078 TAC Command (P/N 4090-04-78 DDN3695A) software.

**Note: Interface Pack Required**  
 See Page 19

**Includes:-**

- Key Management and Configuration Load - DES 56 software P/N BCUSB40521

Wifi Adaptor Kit	BCO40508	DDN3555A	0.01 kg
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This option enables you to use external devices such as tablets and smartphones to control the transceiver using Barrett apps (iOS / Android).



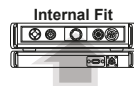
**Includes:-**

- 4000 Series IP Connectivity Networking Guide P/N BCM40507
- Penguin adaptor

For Use with 4090/4050 Control Handset, requires:  
 - PRC-4090 Handset USB Interface (4090-01-27, DDN3552A)

ARINC Selcall encoder	BCO40509	DDN3724A	
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Enables transmission of aviation ARINC standard selcall.



# HF Data options

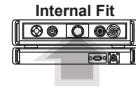
	Barrett P/ N	MSI P/N	Net Weight
3G Packet Data Modem (9600bps)	4090-04-04	TT4357A	

**Includes:-**

Internal Fit modem, 9600bps

**Notes:-**

Requires 3G Automatic link establishment (P/N 4090-01-04, TT4352A).



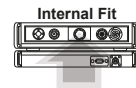
Internal Fit Data Modem with Mil 110A/B Waveform	4090-04-26	TT4386A	0.20 kg
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**Includes:-**

- HF MIL110B 9600bps Modem
- Barrett DataPoint 110A/B Interface software

**Note:-**

- Requires third party HF Data communications software for file/chat data transfer between HF stations



**Note: Interface Pack Required**  
See Page 19

Internal Fit Data Modem with Mil 110A/B/F ISB Waveform	4090-04-27	TT4380A	0.20 kg
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**Includes:-**

- HF MIL110B/F 75-19200bps Modem
- Barrett DataPoint 110A/B/F Interface software

**Note:-**

- Requires third party HF Data communications software for file/chat data transfer between HF stations
- Compatible with 2G ALE (P/N 4090-01-03 TT4308A) and RC50-B Communications Software Suite (P/N 4090-04-66 TT4381A)



**Note: Interface Pack Required**  
See Page 19

RC50-B Communications software suite (Win)	4090-04-66	TT4381A	0.20 kg
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**Includes:-**

- RC-50B STANAG 5066 based communications suite

**Note:-**

- Requires: 2G Automatic link establishment (ALE) P/N 4090-01-03, TT4308A
- Requires MIL 110 A/B Waveform (75-9600bps) P/N 4090-04-26, TT4386A
- See also 4090-01-50/51 AES/DES Encryption options

**Note: Interface Pack Required**  
See Page 19

	Barrett P/ N	MSI P/N	Net Weight
4038 3G TAC Message Software (Win)	4090-04-38	TT4372A	0.25 kg

4038 3G TAC Message is designed with strategic and naval HF operators in mind. 4028 3G TAC Message provides HF communications with a familiar smartphone-like user experience on a PC or Laptop. Chat Messaging and File Transfer are available from a convenient and easy to use interface. Email messages can be sent and received using well known email clients such as MS Outlook™. Data communications on the HF network benefit from the robust STANAG 4538 3G packet modem.

**Note: Interface Pack Required**  
See Page 19

**Includes:-**

- PC Software for 4038 3G TAC Message
- Key Management Software
- System Configuration Software
- Configuration Load Software

**Notes:-**

- Requires 3G HF Packet Data modem (STANAG 4538)
- Requires 4090-01-04, TT4352A 3G ALE - Automatic Link Establishment option for Link Set up
- See also 4090-01-56 DES/AES Encryption options

4078 3G TAC Command Software (Win)	4090-04-78	DDN3695A	0.25 kg
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4078 3G TAC Command is designed with military commanders in mind. The software is designed for touch-screens and lends itself to be used on rugged tablets. Situational Awareness using NATO standardised symbols provides the operator with a view of friendly unit positions (Blue Force Tracking), enemy contacts, reference points and geo-fences. Chat Messaging, Email Messaging, Form Messaging and File Transfer is also provided.

**Note: Interface Pack Required**  
See Page 19

**Includes:-**

- TAC Command Software
- Key Management Software
- System Configuration Software
- Configuration Load Software

**Notes:-**

- Requires 3G Packet Data Modem (9600bps)  
P/N 4090-04-04, TT4357A
- Requires 4090-01-04 3G ALE - Automatic Link Establishment option for Link Set up
- See also 4090-01-50/51 AES/DES Encryption options

Barrett P/ N

MSI P/N

Net Weight

4079 3G TAC Command Centre (Win)

4090-04-79

TT4382A

0.25 kg

4079 3G TAC Command Centre is designed with military commanders in mind. The software is designed for touch-screens and lends itself to be used on rugged tablets. Situational Awareness using NATO standardised symbols provides the operator with a view of friendly unit positions (Blue Force Tracking), enemy contacts, reference points and geo-fences. Chat Messaging, Email Messaging, Form Messaging and File Transfer is also provided.

**Note: Interface Pack Required**  
See Page 19

**Includes:-**

- TAC Command Centre Tracking and Message Centre Gateway
- Key Management Software
- System Configuration Software
- Configuration Load Software

**Notes:-**

- Requires 3G Packet Data Modem (9600bps)  
P/N 4090-04-04, TT4357A
- Requires 4090-01-04, TT4352A 3G ALE - Automatic Link Establishment option for Link Set up
- See also 4090-01-50/51 AES/DES Encryption options

# Interface Packs

	Barrett P/ N	MSI P/N	Net Weight
<b>Interface Pack A</b>	4090-01-49	DDN3561A	

For IP connectivity with PRC-4090 in Mobile or Base Station setup.

Includes:

- Ethernet cable 2m



<b>Interface Pack B</b>	4090-01-32	DDN3545A	0.08 kg
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Provides serial connection to a PC from a PRC-4090 Manpack.

Includes:

- PRC-4090 Hotshoe to USB Cable



<b>Interface Pack C</b>	4090-01-27	DDN3552A	0.02 kg
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USB Interface Unit to suit a PRC-4090 Control Handset.

Includes:

- Handset USB Interface (4090-01-27)



# **HF Hardware accessories**

	Barrett P/ N	MSI P/N	Net Weight
PRC-4090 Control Handset	4090-01-09	DDN3764A	0.26 kg

Control Handset for PRC-4090 HF Transceiver. Full colour LED touch screen display. Full radio control.

Requires PRC-4090 Control Handset Cable (4090-01-12, DDN3767A)



PRC-4090 Control Handset Cable	4090-01-12	DDN3767A	0.15 kg
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Interface cable between the PRC-4090 Control Handset and the transceiver. Hotshoe secured with screws. ODU connector.



PRC-4090 Control Handset Extender Cable - 6.0 metres	4090-01-13	DDN3734A	0.25 kg
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Extension cable that securely fastens between the PRC-4090 Control Handset Cable (P/N 4090-01-12, DDN3767A) and the PRC-4090 Transceiver (P/N 4090-00-01, DDN3727A).

- 6m



PRC-4090 Handset Cradle	4090-05-01	DDN4388A	0.06 kg
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Cradle to suit a PRC-4090 Control Handset (P/N 4090-01-09, DDN3764A). Black.



PRC-4090 Molle Mount	4090-05-02	DDN4170A	0.15 kg
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Molle mount attaches to the rear of the PRC-4090 Control Handset Cradle for attachment to webbing. Designed to fit with standard webbing configurations.



	Barrett P/ N	MSI P/N	Net Weight
PRC-4090 Handset Cradle with Molle Strap	4090-05-04	DDN3765A	0.06 kg

Strap attaches to the rear of the PRC-4090 Control Handset Cradle for attachment to webbing. Designed to fit with standard webbing configurations.



PRC-4090 Control Handset Docking Station	4090-05-03	DDN3770A	0.55 kg
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A dash mounted handset docking station. Configurable for both horizontal and vertical handset use.

**Includes:**

- Cradle (P/N 4090-05-01)
- Ext. Speaker (P/N 4090-01-33)
- RAM Mount (P/N PW-33334)
- Universal bracket Assembly (P/N MW-49049)
- USB interface (P/N SA-49053)



Magnetic Car Mount	BCA40507	DDN4397A	0.05 kg
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Control Handset magnetic mount for vehicle installations. Attaches to dashboard with choice of magnetic plate.



External Speaker	4090-01-33	DDN4387A	0.15 kg
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Rugged external speaker used in conjunction with the PRC-4090 Handset docking station.



H-250 Tactical Handset	4090-01-14	DDN3550A	0.35 kg
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Standard H-250 tactical handset. Provides simplified transmit/receive functionality.



	Barrett P/ N	MSI P/N	Net Weight
PRC-4090 Li-ion Battery Pack 16Ah	4090-03-05	DDN3548A	2.50 kg

Lightweight Li-ion 16Ah battery pack. Compatible with PRC-4090 transceiver.



PRC-4090 System Docking Station (SDS)	4090-05-00	DDN3775A	1.80 kg
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Specifically designed for base station and mobile installations, the System Docking station allows the PRC-4090 transceiver to operate at an increased power output of 150W. Allows for secondary handset functionality and ethernet connectivity.



PRC-4090 Anti-Vibration Mounting Plate	4090-05-07	DDN3771A	2.55 kg
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Reduces vibration for vehicle mounted units. Over-centre latches attach the Anti-vibration mount to the System Docking Station.

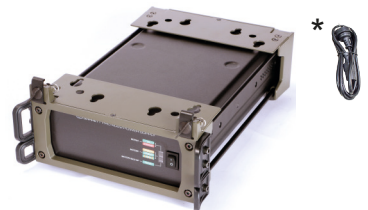


PRC-4022 AC Power Supply	4090-06-01	DDN4028A	4.60 kg
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PRC-4022 power supply provides 24V AC power to the PRC-4090 transceiver System Docking Station.

Plastic end-caps ensure a sturdy configuration when stacking transceiver and System Docking station. Securely fastens to System Docking Station via over centre latches.

\* (UK, European, AUS and US style. Selected at point of order)









PRC-4090 Hotshoe to GPS/CW Cable	4090-01-31	DDN3922A	0.06 kg
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Hotshoe connection between top of PRC-4090 transceiver and a GPS or CW key connection.

Connects to external 7 pin GPS receiver or CW key. Length 0.3 metres



	Barrett P/ N	MSI P/N	Net Weight
<b>PRC-4090 Hotshoe to USB Cable</b> Hotshoe interface between top of PRC-4090 transceiver and USB. Length 1.5 metres	4090-01-32	DDN3545A	0.08 kg
			
<b>3 Port Accessory Hub</b> Hotshoe interface for a PRC-4090 with GPS, CW key and USB connectors. Length 60cm	4090-01-39	DDN3735A	0.17 kg
			
<b>PRC-4090 Handset USB Interface</b> USB interface to rear of the PRC-4090 Control Handset. Provides an access point for WiFi dongles and USB programming. Attaches via hotshoe connector.	4090-01-27	DDN3552A	0.02 kg
			
<b>USB to Ethernet Adapter</b> USB adapter allowing ethernet and wireless network communications when using a Barrett PRC-4090 in manpack configuration. Used in conjunction with PRC-4090 Handset USB Interface (P/N 4090-01-27, DDN3552A)	BCA40505	DDN4248A	0.02 kg
			
<b>Daypack - multicam</b> The Day Pack provides a compact carry bag solution for the PRC-4090 and 2081 systems. Adaptable fastenings to provide secure positioning within bag. External MOLLE points for handset and accessory attachment.	4090-01-36	DDN3763A	1.00 kg
			
<b>GPS/ESU receiver</b> Combined receiver / antenna. <b>Includes:-</b> - 4 metres cable and connector.	4090-01-24	DDN3611A	0.15 kg
			
For use with PRC-4090, Hotshoe to GPS/CW cable (P/N 4090-01-31, DDN3922A) required.			

	Barrett P/ N	MSI P/N	Net Weight
<b>GPS/ESU extender cable 8m</b> 8m GPS Extension cable with bulkhead connector for extending Barrett external GPS/ESU.	4090-01-23	DDN3986A	0.15 kg
			
<b>External Battery Adapter</b> Used to connect the PRC-4090 Transceiver to a BB series battery via a Battery adaptor to BB series battery cable. - Black.	4090-03-11	DDN4019A	0.03 kg
			
<b>Cable, Battery adapter to BB series battery</b> Cable specifically to connect a BB series battery to the External Battery adaptor.	4090-03-08	DDN4020A	0.14 kg
			
<b>RF cable (Transceiver to SDS)</b> Provides the RF connection between the PRC-4090 transceiver and the System Docking Station.	SA-49169	DDN3772A	0.04 kg
			
<b>AC/DC Mains Adapter</b> For use with PRC-4090 Battery Pack (P/N 4090-03-05, DDN3548A) Includes: - Adapter - IEC mains cord (available in UK, European, AUS and US styles. Selected at point of order)	4090-03-04	DDN3762A	0.50 kg
			

	Barrett P/ N	MSI P/N	Net Weight
Fan unit to suit PRC-4090 Transceiver	4090-01-11	DDN3546A	0.2 kg

Used to cool the transceiver. Automatically begins cooling the system when an internal temperature of 45 C is detected. Suggested for high duty cycle data transfer networks.

- Black.



CW key - lightweight tactical - with leg strap	2090-01-07	DDN3737A	0.4 kg
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Lightweight brass CW key with leg strap and MIL-STD 6 pin connector.

For use with PRC-4090, Hotshoe to GPS/CW cable (P/N 4090-01-31, DDN3922A) required.



Lightweight tactical headset (under helmet)	4090-01-38	DDN3549A	0.28 kg
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Lightweight tactical headset, suited to under helmet mounting speaker, microphone and clip on Press-To-Talk (PTT) button. Colour black.



Installation kit	BCA40004	DDN3602A	0.2 kg
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**Includes:-**

- Large selection of screws to accommodate most installations
- Cable ties
- Adhesive cable clips
- Screw driver attachment to suit screws for drill
- Rubber amalgamation tape
- Standard insulation tape
- Power cable lugs
- ATC fuse holder and 25 Amp fuses

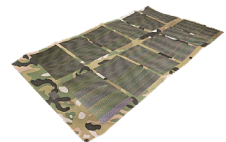


Rapid deployment solar panel - colour Multicam	2090-03-08	DDN3741A	1.3 kg
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Solar power supply pack - for charging and operating the manpack transceiver.

**Includes:-**

- Compact lightweight tactical foldout solar panel 24 VDC @ 1.2 Amps normal
- Folds to 37 cm x 22 cm x 4 cm package, with lead and plug to suit PRC-4090 and PRC-2081+
- Solar panel bag - colour Multicam P/N 2090-01-31



# HF Antenna options

	Barrett P/ N	MSI P/N	Net Weight
Rapid deployment broadband dipole antenna - 150 W	2090-02-03	DDN3551A	1.85 kg

Operates from 2 to 30 MHz without adjustment - 150 W PEP max. Can be deployed as full length broadband dipole or in compact form. Manufactured with Kevlar radiators and UV resistant Dacron cords.



**Includes:-**

- Radiators and loads wound on reusable spools
- Lanyards wound on reusable spools with throw and securing weights
- RG-58AU coaxial cable, with water proof BNC and UHF coaxial connectors
- Carry bag - colour black

Rapid deployment mast	2090-02-04	DDN3671A	5.2 kg
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Portable 5 metres mast kit for tactical broadbands and dipoles - rapid deployment.



**Includes:-**

- 7 pieces mast
- Guys on winders, earth pegs, guy pegs and hammer
- Carry bag - colour black

**Note:-** Not recommended for use with base station antennas.

Long wire throw out antenna	4090-02-06	DDN3618A	0.4 kg
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For manpack operation with an adaptor to suit the whip stud on PRC-4090.



**Includes:-**

- Winding hub, antenna wire and throw weight
- Carry bag - colour black

Counterpoise earth kit - single wire	4090-02-09	DDN3761A	0.2 kg
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Recommended to increase the efficiency of the PRC-4090 operating with whip antennas below 3MHz.



**Includes:-**

- Winding hub, wire earth radial and peg

	Barrett P/ N	MSI P/N	Net Weight
Rapid deployment two wire broadband dipole antenna - 150 W PEP	2090-02-20	TT4353A	3.2 kg

Operates from 2 to 30 MHz without adjustment – 150W PEP max. Provides omnidirectional coverage with strong near vertical radiation for NVIS communications and also good signal strength at lower angles for medium and longer range communications.

Rugged construction is rugged with Kevlar radiator wires and robust extruded-alloy balun housing.



**Compatible masts:**

- 10m Rapid deployment mast (P/N 2090-02-21)
- Rapid Deployment Composite Mast 9.4m (P/N 2090-02-24, DDN3672A)

**Includes:-**

- Throw Cord and securing weight wound on reusable spool - Carry bag - colour black
- 20 metres of RG-58AU coaxial cable, waterproof
- C32-21 UHF type coaxial connector
- UHF-BNC adaptor

**Note:-** Minimum recommended install height is 6m.

Collapsible Whip 3m - for PRC-4090	4090-02-10	DDN3759A	0.20 kg
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Whip antenna for PRC-4090 used in conjunction with 4090-02-11, DDN3760A Gooseneck - for PRC-4090. Length 3000mm



Gooseneck - for PRC-4090	4090-02-11	DDN3760A	0.20 kg
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Used to connect the whip antenna to the PRC-4090 transceiver. Threaded to Bayonet fitting. Adjustable angle.



	Barrett P/ N	MSI P/N	Net Weight
Barrett 4049 Tactical Automatic Tuning Mobile HF Antenna	4049-00-11	DDN3738A	5.5 kg

**Features:-**

- Frequency range 1.5 to 30 MHz
- Fast tuning - typically less than 2 seconds
- Extremely robust Nylon-66 glass-filled casing
- Two piece MIL-SPEC whip and spring
- Immersible to 1 metre for 1 hour
- Meets MIL-STD 810G for shock, temperature, vibration and dust
- Built in GPS



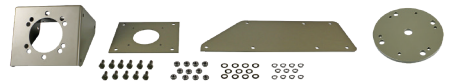
**Note:-** See brochure for more detailed information.

**Includes:-**

Barrett 4049 Tactical Automatic Tuning Mobile HF Antenna	4049-00-01	DDN4383A	
Standard spring - black	2019-00-04	DDN4318A	
Interface cable 6 m - integral coaxial/control with connectors to suit PRC-4090 SDS	4019-00-02	DDN3810A	
Fibreglass split whip top section and bottom section - Length 1610 mm	2019-00-03	DDN4303A	

Antenna Mounting Bracket Package	2090-02-22	DDN3740A	3.5 kg
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Mounting bracket for mobile whip antenna or 4049 antenna.



NVIS Whip	2019-01-10	DDN3732A	1 kg
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The Barrett Near Vertical Incidence Skywave (NVIS) antenna whip is designed to enhance the short range communications efficiency of the Barrett 4049 Automatic Tuning Mobile HF Antenna.

The usable frequencies for NVIS communications are between 2 MHz and 15 MHz.

Length 4000 mm

**Includes:-**

- NVIS Gutter mount bracket P/N 4019-01-12
- NVIS kit installation guide P/N BCM401910



	Barrett P/ N	MSI P/N	Net Weight
NVIS Magnetic base	2019-01-11	DDN3739A	0.4 kg

The NVIS Kit Magnetic Mounting Base is designed to provide fast and convenient mounting of the end of the NVIS antenna whip (P/N BCA401910). The three powerful magnet feet are covered with silicone rubber to prevent damage to painted surfaces.



**Includes:-**

- NVIS kit installation guide P/N BCM401910

NVIS Gutter mount bracket	2019-01-12	DDN4189A	0.16 kg
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Gutter mount bracket for NVIS whip.



**Includes:-**

- NVIS kit installation guide P/N BCM401910

Fibreglass split whip top section and bottom section	2019-00-03	DDN4303A	0.55 kg
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**Includes:-**

- one middle and one top MIL-SPEC Whip sections (colour black)
- Length 1610 mm



Standard spring black	2019-00-04	DDN4318A	0.7 kg
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Standard spring - colour black.



Antenna control cable extension adapter kit to suit ATU interface cables	BCA401914	DDN3936A	0.2 kg
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**Includes:-**

- 7 Way Female/Male Mil connector adapter
- SO239 UHF Female/Female coaxial adapter



Control Cable to 2050 Transceiver Adaptor	BCA201915	DDN4394A	0.2 kg
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Compatible with 4019-00-02 DDN3810A, 4019-00-05 DDN3809A and 4019-00-07 DDN3988A control cable connectors. Suits 2050 transceiver.



	Barrett P/ N	MSI P/N	Net Weight
4047 Tactical HF ATU base antenna	4047-00-01	TT4576A	7 kg

The Barrett 4047 is a compact base antenna solution for installations in areas with space limitations where normal wire broadband antennas are not practical. Full Coverage from 2~30MHz. Omni directional Radiation, can be installed on wide range of masts & poles. Recommended height 6 ~ 10 metres. Max installed length 5.7 metres. Compact packaging for Air Shipment. Built in GPS.

**Includes:-**

- 30 metres of integral RF control cable and connectors P/N 4017-01-01

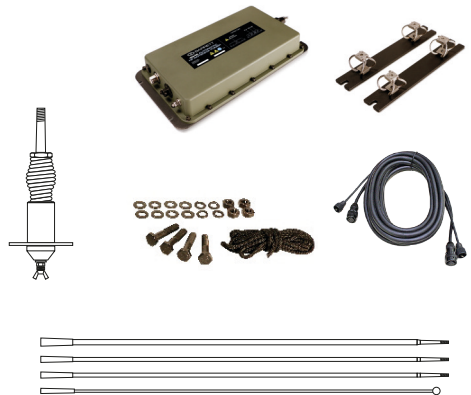
**Note:-** See brochure for more detailed information



Barrett 4045 Tactical Automatic HF Antenna Tuner with mobile whip and base package	4045-00-11	TT4471A	11.1 kg
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**Features:-**

- Frequency Range: 1.5 - 30MHz tunable
- Power Rating: 150 Watts PEP
- Polarisation: Vertical
- Memory tune in <100ms,
- Non-Memory tune in <1.5 sec
- Built in GPS
- ALE compatible
- Frequency-hopping compatible
- MIL-STD-810F Waterproof, Vibration, and Dust
- Base Mounting: NATO 6 or 3 hole pattern / USA 4 hole pattern



**Includes:-**

Barrett 4045 Tactical Automatic HF Antenna Tuner	4045-00-01	TT4701A	
Interface cable 6 m - integral coaxial/control with connectors to suit 4090 SDS	4019-00-02	DDN3810A	
Military HF Antenna Base	2090-07-15	DDN4414A	
Military HF 2 -30 MHz fibreglass whip antenna 3000mm	2090-07-14	DDN4415A	
Anti-Vibration mount for 4045	BC404502	DDN4022A	

	Barrett P/ N	MSI P/N	Net Weight
Barrett 4045 Tactical Automatic HF Antenna Tuner	4045-00-01	TT4701A	3.2 kg

Suits land mobile, base station and marine installations.

**Features:-**

- Frequency Range: 1.5 - 30MHz tunable
- Power Rating: 150 Watts PEP
- Memory tune in <100ms,
- Non-Memory tune in <1.5 sec
- ALE compatible
- Frequency-hopping compatible
- MIL-STD-810F Waterproof, Vibration, and Dust



**Note:-** See brochure for more detailed information.

Anti-Vibration mount for 4045	BC404502	DDN4022A	1 kg
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For mounting a Barrett 4045 Tactical Automatic HF Antenna Tuner into an armoured or other shock heavy vehicle



912 Multi-wire broadband dipole (2 to 30 MHz) - 150 W PEP stainless steel	2090-02-10	DDN4021A	
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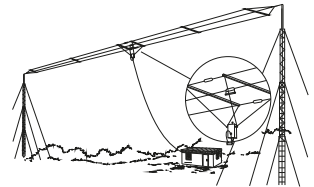
27 metres stainless steel, fibreglass spreaders and encapsulated baluns and loads.

**Includes:-**

- 30 metres of RG-58AU coaxial cable with waterproof C32-21 type UHF coaxial connectors.

**Compatible masts:-**

- 10m Rapid deployment mast (P/N 2090-02-21)








**Note:-** Masts supplied separately.

Lightning arrestor kit 400 W	2090-05-09	DDN3791A	2.05 kg
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**Includes:-**

- 1 x Surge arrestor with PL259/UHF (female) connectors
- 1 x 5 metres length of RG58 Coaxial cable with UHF (male)
- 1 x Steel dolly
- 1 x 3 metres earth braid
- 1 x Brass cable clamp assembly
- 1 x Copper plated steel earth rod



	Barrett P/ N	MSI P/N	Net Weight
<b>30 metres Coaxial cable RG-58</b> 30 metres of RG-58 coaxial cable with high quality "UHF" type connectors.	BCA90047	DDN90047	1.20 kg
			
<b>Coaxial cable RG-213 (per metre)</b> High quality RG-213 coaxial cable.	BCA90045	DDN3540A	0.15 kg
			
<b>Coaxial connector - UHF - Suit RG-213</b> High quality waterproof "UHF" type coaxial connector - to suit RG-213 coaxial cable above.	BCA90046	DDN3558A	0.20 kg
			
<b>Halyard and pulley kit suit 912 broadband antennas</b> <b>Includes:-</b> - 2 galvanised pulleys - 100 m of standard nylon halyard	2090-02-16	DDN4024A	1.15 kg
			
<b>Offset bracket and pulley</b> To facilitate mounting of 912 broadband or 915 wire dipoles in an inverted "V" configuration on either 902 winch-up towers or 902 telescopic masts. Pulley to suit 4 mm halyard.	2090-02-17	DDN3924A	2.2 kg
			

# Masts

	Barrett P/ N	MSI P/N	Net Weight
10 Metre Mast - With Stainless steel Guys for Ground Mounting	BC90206	TT4340A	32 kg

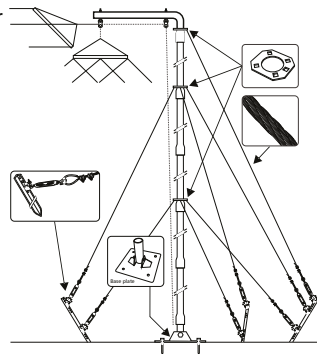
This air transportable mast consists of 5 x 2m aluminium sections inserted on top of each other with a 1.5 m antenna support outrigger on the top section. There are 3 sets of 2 stainless steel guywires and one back-stay guywire to counter the weight of the antenna. Pegs, shackles and pins for the base plate are supplied.

**Compatible Barrett antennas**

- 912 HF Multi-wire broadband dipole 150W  
P/N: BC91200 TT4348A
- 912 HF Multi-wire broadband dipole 500W  
P/N: BC91202 TT4304A
- 4047 Automatic tuning horizontal dipole 150W  
P/N BC404701 DDN3731A

**Specifications**

Packed dimensions: 2000mm x 200mm x 350mm  
Wind rating: 120 kph



10 Metre Mast - With Stainless steel Guys for Flat Roof Mounting	BC90206FR	TT4339A	32 kg
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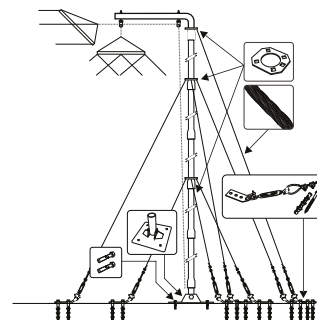
This air transportable mast consists of 5 x 2m aluminium sections inserted on top of each other with a 1.5 m antenna support outrigger on the top section. There are 3 sets of 2 stainless steel guywires and one back-stay guywire to counter the weight of the antenna. Cleats, shackles and masonry anchors are supplied.

**Compatible Barrett antennas**

- 912 HF Multi-wire broadband dipole 150W  
P/N: BC91200 TT4348A
- 912 HF Multi-wire broadband dipole 500W  
P/N: BC91202 TT4304A
- 4047 Automatic tuning horizontal dipole 150W  
P/N BC404701 DDN3731A

**Specifications**

Packed dimensions: 2000mm x 200mm x 350mm  
Wind rating: 120 kph



	Barrett P/ N	MSI P/N	Net Weight
10 Metre Mast - With Stainless steel Guys for Pitched Roof Mounting	BC90206PR	DDN3926A	27 kg

This air transportable mast consists of 5 x 2m aluminium sections inserted on top of each other with a 1.5 m antenna support outrigger on the top section. There are 3 sets of 2 stainless steel guy wires and one back-stay guy rope to counter the weight of the antenna. Cleats, shackles and screws appropriate for tin roofs are supplied.

**Compatible Barrett antennas**

912 HF Multi-wire broadband dipole 150W

P/N: BC91200 TT4348A

912 HF Multi-wire broadband dipole 500W

P/N: BC91202 TT4304A

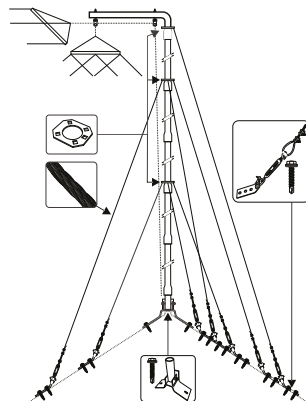
4047 Automatic tuning horizontal dipole 150W

P/N BC404701 DDN3731A

**Specifications**

Packed dimensions: 2000mm x 200mm x 350mm

Wind rating: 120 kph



6 Metre Mast - With Nylon Guys for Flat Roof Mounting	BC90209FR	DDN4392A	20 kg
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This air transportable mast consists of 3 x 2m aluminium sections inserted on top of each other with a 0.5m, 50mm diameter vertical top section. There are 2 sets of 3 rope guys. Cleats, shackles and masonry anchors are supplied.

**Compatible Barrett antenna**

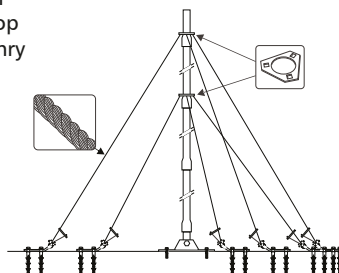
4047 Automatic tuning horizontal dipole 150W

P/N BC404701 DDN3731A

**Specifications**

Packed dimensions: 2000mm x 200mm x 200mm

Wind rating: 120 kph



	Barrett P/ N	MSI P/N	Net Weight
6 Metre Mast - With Stainless Steel Guys for Ground Mounting	BC90208	DDN4389A	24 kg

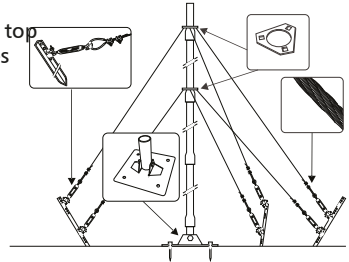
This air transportable mast consists of 3 x 2m aluminium sections inserted on top of each other with a 0.5m, 50mm diameter vertical top section. There are 2 sets of 3 stainless steel wire guys. Pegs, shackles and pins for the base plate are supplied.

**Compatible Barrett antenna**

4047 Automatic tuning horizontal dipole 150W  
P/N BC404701 DDN3731A

**Specifications**

Packed dimensions: 2000mm x 200mm x 200mm  
Wind rating: 120 kph



6 Metre Mast - With Stainless Steel Guys for Flat Roof Mounting	BC90208FR	DDN4390A	24 kg
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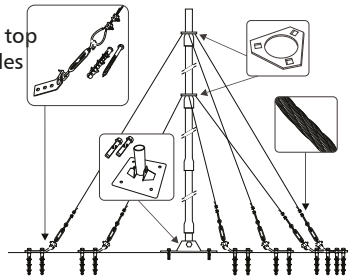
This air transportable mast consists of 3 x 2m aluminium sections inserted on top of each other with a 0.5m, 50mm diameter vertical top section. There are 2 sets of 3 stainless steel wire guys. Cleats, shackles and masonry anchors are supplied.

**Compatible Barrett antenna**

4047 Automatic tuning horizontal dipole 150W  
P/N BC404701 DDN3731A

**Specifications**

Packed dimensions: 2000mm x 200mm x 200mm  
Wind rating: 120 kph



6 Metre Mast - With Stainless Steel Guys for Pitched Roof Mounting	BC90208PR	DDN4391A	24 kg
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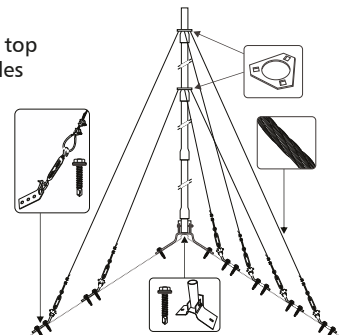
This air transportable mast consists of 3 x 2m aluminium sections inserted on top of each other with a 0.5m, 50mm diameter vertical top section. There are 2 sets of 3 stainless steel wire guys. Cleats, shackles and screws appropriate for tin roofs are supplied.

**Compatible Barrett antenna**

4047 Automatic tuning horizontal dipole 150W  
P/N BC404701 DDN3731A

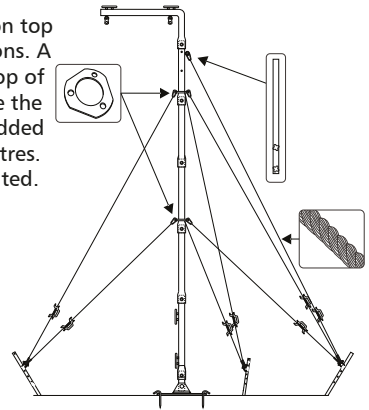
**Specifications**

Packed dimensions: 2000mm x 200mm x 200mm  
Wind rating: 120 kph



	Barrett P/ N	MSI P/N	Net Weight
10 Metre Rapid Deployment Mast	2090-02-21	TT4967A	24 kg

This rapid deployment air transportable 10m mast consists of 2.1 metre aluminium sections with collared end joints, inserted on top of each other. Lower heights are achievable by using fewer sections. A tubular horizontal mounting arm, with pulleys, attaches to the top of the mast to enable large wire antennas to be raised in place once the mast is erected. The supplied 1 metre vertical extension can be added at the top of the mast to increase the maximum height to 11 metres. This extension enables more than one antenna to be easily mounted.



**Compatible Barrett antennas**

- HF 912 Multi-wire broadband dipole 150 W  
P/N: BC91200 TT4348A
- 4047 Automatic tuning horizontal dipole 150W  
P/N BC404701 DDN3731A
- HF Rapid deployment broadband dipole 150 W  
P/N: 2090-02-03, DDN3551A
- HF Rapid deployment two wire broadband dipole  
150 W P/N: 2090-02-20, TT4353A
- VHF Tactical rapid deployment antenna  
P/N: 2086-02-10
- VHF 30 to 108 MHz elevated wideband antenna  
P/N: 2083-02-03, DDN3714A
- VHF 30 to 108 MHz centre-fed whip antenna  
P/N: 2083-02-01, DDN3719A

**5 Metre Rapid Deployment Mast**

Barrett P/ N

2090-02-04

MSI P/N

DDN3671A

Net Weight

5.8 kg

The Barrett Rapid deployment mast is a lightweight, transportable pole construction kit for use as a temporary 5m tower solution in the field.

**Compatible Barrett antennas**

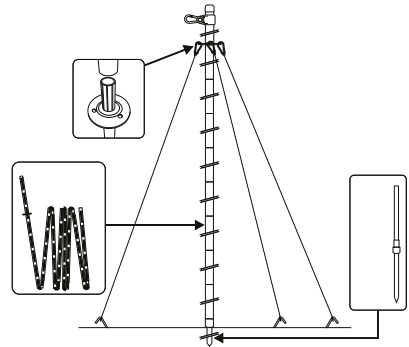
HF-Rapid deployment broadband dipole antenna  
 150 W P/N: 2090-02-03, DDN3551A

**Specifications**

Mast material: 25mm round aluminium tube, NATO Green.

Packed dimensions: L-720mm x W-220mm x  
 H-130mm

Packed Weight: 5.8kg


**10 Metre Rapid Deployment Composite Mast**

2090-02-24

DDN3672A

8.6 kg

This rapid deployment mast consists of 7 sections (including the offset bracket) of composite tube which extend telescopically with locking levers. The mast can be erected to any desired height. The last extension at the top of the mast (thinnest section) is only suitable for very light head loads.

Guy ropes are supplied on winding spools to facilitate rapid deployment of the mast. The mast is supplied with all components required for deployment. The complete mast kit is contained in a rugged canvas carry-bag. Please note a halyard for raising an antenna is not included.

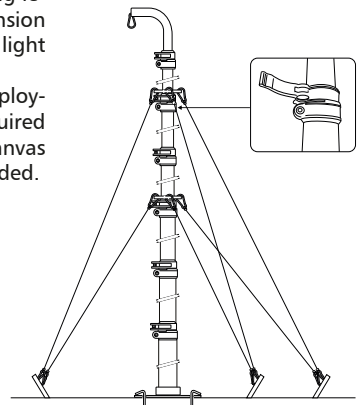
**Compatible Barrett antennas**

- VHF 30 to 108 MHz elevated wideband VHF antenna  
 P/N: 2083-02-03, DDN3714A
- HF-Rapid deployment broadband dipole antenna 150W  
 P/N: 2090-02-03, DDN3551A
- HF-Long wire throw out antenna P/N: 2090-02-06
- HF Rapid deployment two wire broadband dipole 150W  
 P/N: 2090-02-20, TT4353A

**Specifications**

Retracted eight: 1960mm,

Mast material: Composite telescopic tube, Black.



# Interoperability

	Barrett P/ N	MSI P/N	Net Weight
2064 Radio Voice Bridge	2064-10-10	TT4306A	1.0 kg

Voice bridge between Barrett and third-party radios.

**Includes:-**

- Tactical Voice Bridge
- H-250 type handset
- Radio Cables (see below)
- User Manual



**Cables to be selected at point of order:**



2064 to 25 way serial connector 4050 HF SDR Transceiver cable, 1m	2064-10-11	DDN3584A	
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2064 to H250 connector for PRC-2080+ VHF Hand-held Transceiver and PRC-4090 HF SDR Transceiver, 1m	2064-10-12	DDN3742A	
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2064 to unterminated cable for OEM radio, 1m	2064-10-13	DDN3585A	
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2064 to 25 way serial connector 4050 HF SDR Transceiver cable, 5m	2064-10-14	DDN3743A	
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2064 to H250 connector for PRC-2080+ VHF Hand-held Transceiver and PRC-4090 HF SDR Transceiver, 5m	2064-10-15	DDN3744A	
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2064 to unterminated cable for OEM radio, 5m	2064-10-16	DDN3745A	
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# Transportable Systems

Barrett P/ N

MSI P/N

Net Weight

**PRC-4075 Tactical 500 Watt HF Amplifier**

4090-08-05

TT4978A

The Barrett 500W Tactical HF Amplifier is a compact easily deployed communications solution developed for tactical base station applications. The amplifier comes with our 4075 linear amplifier and power supply, and interconnecting cables all pre connected in rugged 19" 5RU rack mount cases. Note: this system is only powered by a mains power connection.


**Features:-**

- AC Mains power
- Optional HF data transmission
- Multiple voice and data security options
- Stackable transportable and base station deployable

**PRC-4090 HF Rapid Field Deployment System (RFDS)**

4090-08-01

TT4977A

The Tactical PRC-4090 RFDS base unit is a rapidly deployable HF option for field personnel with the unit being operational within minutes. Its highly ruggedized exterior allows this system to be transported over rough terrain with no damage being taken by the interior equipment. The front and rear lids allow for quick and efficient access to the system making it suitable for field or station requirements.


**Features:-**

- Field operational in minutes
- AC Mains and/or DC power
- Internal battery with on board charging
- Optional HF data transmission
- Multiple voice and data security options
- Stackable transportable, base station and vehicle/field deployable

**PRC-2080+ VHF Rapid Field Deployment System (RFDS)**

2089-08-01

TT4975A

The Tactical PRC-2080+ RFDS base unit is a rapidly deployable VHF option for field personnel with the unit being operational within minutes. Its highly ruggedized exterior allows this system to be transported over rough terrain with no damage being taken by the interior equipment. The front and rear lids allow for quick and efficient access to the system making it suitable for field or station requirements.


**Features:-**

- Field operational in minutes
- AC Mains and/or DC power
- Internal battery with on board charging
- Optional VHF data transmission
- Multiple voice and data security options
- Stackable transportable, base station and vehicle/field deployable

# **PRC-4080 VHF Tactical Packages**

## PRC-4080 VHF Tactical Transceiver 5W Handheld package

### Standard features:-

- 30-175MHz Software Defined Radio Transceiver
- Digital Signal Processing (DSP)
- Dual Network Receive (DNR)
- GPS receiver
- Lightweight compact modular design
- Selective and group calling
- MIL-STD 810H
- IP67 - Fully immersible to 1m

### Optional Features:-

- High speed data capability
- Secure Digital Voice
- AES 256 & DES 56 Encryption levels
- Secure messaging with encryption
- Frequency hopping (300 hops/second)

For additional options and accessories, please see relevant section detail.

**Note:-** See brochure for more detailed information.

### Includes:-

- 1 PRC-4080 VHF Tactical Transceiver
  - 2 Li-ion Battery Rechargeable 76Wh
  - 3 H250 Handset
  - 4 1.2m Tape whip antenna
  - 5 Webbing pouch - Multicam
  - 6 Single battery Charger
- Barrett PRC-4080 operation manual

Barrett P/ N

MSI P/N

Net Weight

4080-00-10

TT4710A



1 4080-00-01 TT4709A

2 4080-03-05 DDN4145A

3 4090-01-14 DDN3550A

4 4080-02-01 DDN4144A

5 4080-01-13 DDN4140A

6 4080-03-06 DDN4146A

4080-00-02 DDN4136A

	Barrett P/ N	MSI P/N	Net Weight
PRC-4081 20 W VHF Tactical manpack package	4081-00-10	TT4796A	10.9 kg

**Standard features:-**

- 30-175MHz Software Defined Radio Transceiver
- 20W fixed transmission power
- Digital Signal Processing (DSP)
- Dual Network Receive (DNR)
- GPS receiver
- Lightweight compact modular design
- Selective and group calling
- MIL-STD 810H
- IP67 - Fully immersible to 1m

**Optional Features:-**

- High speed data capability
- Secure Digital Voice
- AES 256 & DES 56 Encryption levels
- Secure messaging with encryption
- Frequency hopping (300 hops/second)

For additional options and accessories, please see relevant section detail.

**Note:-** See brochure for more detailed information.

**Includes:-**

- 1 PRC-4080 VHF Tactical Transceiver
  - 2 Tactical Amplifier 20W, 30MHz - 175MHz
  - 3 PRC-4090 Li-ion Battery Pack 16Ah
  - 4 20 Watt Manpack docking station
  - 5 H-250 Tactical Handset
  - 6 1.2m Tape whip antenna with gooseneck
  - 7 Daypack - colour Multicam
  - 8 AC/DC Mains Adapter for use with 4090-03-05 Battery Pack
- Barrett PRC-4080 operation manual



1	PRC-4080 VHF Tactical Transceiver	4080-00-01	TT4709A	
2	Tactical Amplifier 20W, 30MHz - 175MHz	4081-00-02	TT4794A	
3	PRC-4090 Li-ion Battery Pack 16Ah	4090-03-05	DDN3548A	
4	20 Watt Manpack docking station	4081-00-01	TT4832A	
5	H-250 Tactical Handset	4090-01-14	DDN3550A	
6	1.2m Tape whip antenna with gooseneck	4080-02-01	DDN4144A	
7	Daypack - colour Multicam	4090-01-36	DDN3763A	
8	AC/DC Mains Adapter for use with 4090-03-05 Battery Pack	4090-03-04	DDN3762A	
	Barrett PRC-4080 operation manual	4080-00-02	DDN4136A	

	Barrett P/ N	MSI P/N	Net Weight
PRC-4082 50 W VHF Tactical mobile package	4082-00-10	TT4802A	12.8 kg

**Standard features:-**

- 30-175MHz Software Defined Radio Transceiver
- 50W fixed transmission power
- Digital Signal Processing (DSP)
- Dual Network Receive (DNR)
- GPS receiver
- Lightweight compact modular design
- Selective and group calling
- MIL-STD 810H
- IP67 - Fully immersible to 1m

**Optional Features:-**

- High speed data capability
- Secure Digital Voice
- AES 256 & DES 56 Encryption levels
- Secure messaging with encryption
- Frequency hopping (300 hops/second)

For additional options and accessories, please see relevant section detail.

**Note:-** See brochure for more detailed information.  
 - Suitable antenna to be ordered separately.



**Includes:-**

1	PRC-4080 VHF Tactical Transceiver	4080-00-01	TT4709A	
2	H-250 Tactical Handset	4090-01-14	DDN3550A	
3	PRC-4080 VHF Transceiver Docking Station w/ Powered Speaker	4080-05-01	DDN4227	
4	Tactical Amplifier 50W, 30MHz - 175MHz	4082-00-02	TT4776A	
5	PRC-4080 Anti-Vibration Mounting Frame	4082-00-01	TT4886A	
	VHF Mobile DC Power Cable (6 M)	4080-03-11	DDN4721A	
	Docking Station RF Cable	4080-02-02	DDN4184A	
	Installation kit	4080-05-08	DDN4272A	
	Barrett PRC-4080 operation manual	4080-00-02	DDN4136A	

	Barrett P/ N	MSI P/N	Net Weight
PRC-4084 50 W VHF Tactical base package	4084-00-10	TT4775A	17.3 kg

**Standard features:-**

- 30-175MHz Software Defined Radio Transceiver
- 50W fixed transmission power
- Digital Signal Processing (DSP)
- Dual Network Receive (DNR)
- GPS receiver
- Lightweight compact modular design
- Selective and group calling
- MIL-STD 810H
- IP67 - Fully immersible to 1m

**Optional Features:-**

- High speed data capability
- Secure Digital Voice
- AES 256 & DES 56 Encryption levels
- Secure messaging with encryption
- Frequency hopping (300 hops/second)

For additional options and accessories, please see relevant section detail.






**Note:-** See brochure for more detailed information.

- Suitable antenna to be ordered separately.


**Includes:-**

1	PRC-4080 VHF Tactical Transceiver	4080-00-01	TT4709A	
2	H-250 Tactical Handset	4090-01-14	DDN3550A	
3	PRC-4080 VHF Transceiver Docking Station w/ Powered Speaker	4080-05-01	DDN4227A	
4	PRC-4022 AC Power supply module - 24 VDC	4080-06-01	DDN4182A	
5	Tactical Amplifier 50W, 30MHz - 175MHz	4082-00-02	TT4776A	
	PRC-4080 Base Station to 4022 DC Power cable	4080-03-10	DDN4183A	
	Docking Station RF Cable	4080-02-02	DDN4184A	
	Barrett PRC-4080 operation manual	4080-00-02	DDN4136A	

# **PRC-4080 VHF Waveform and Programming Options**

	Barrett P/ N	MSI P/N	Net Weight
<b>Frequency hopping option</b> 300 Hops per second frequency hopping. Requires 4080-01-02, DD-N4138A. For Military users.	4080-01-01	DDN4137A	
<b>Note:-</b> This option requires an Australian Defence Export Licence.			
<b>Military, Unlocked frequency Band option</b> Full frequency range 30-175MHz continuous, all modulations and bandwidths unlocked. Includes low band VHF, VHF Airband and LMR VHF band For Military users.	4080-01-02	DDN4138A	
			
<b>Barrett Legacy Selcall and Secure Text option</b> Provides selcalling and secure (DES-56) text messaging. Provides legacy selcall compatibility with 2080 series products.	4080-01-05	DDN4139A	
			
<b>P25 Conventional with (SW AES-256)</b> P25 Conventional voice option including: - Conventional digital voice calling - Messaging -AES-256 encryption	4080-01-07	DDN4280A	
			
<b>Tactical IP Modem (with AES-256)</b> Tactical IP modem with AES-256 COMSEC encryption. Provides transparent IP packet forwarding over PRC-4080 P25 conventional waveform. Requires either 4080-02-03 or 4080-02-04 for connected device	4080-01-06	DDN4281A	
			
<b>ODU to USB-C Cable</b> USB-C to 4080 Cable for IP connection	4080-02-03	DDN4282A	
<b>Hotshoe to Ethernet Cable</b> Ethernet RJ45 to 4080 Cable for IP connection.	4080-02-04	DDN4283A	

	Barrett P/ N	MSI P/N	Net Weight
Digital voice module	4080-01-40	DDN4142A	

Digital voice module with adaptive vocoder.

Includes:

- Digital Voice/Modem Hardware Module
- "TWELP" Vocoder

Notes:

- Factory internal fit only
- This option requires PRC-4080 VHF Programming Software
- Each radio should have no more than 1 digital voice module (4080-01-40, 4080-01-41, 4080-01-42)



Secure digital voice module with DES 56 encryption - SDV-56	4080-01-42	TT4712A	
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Secure digital voice module with adaptive vocoder with DES 56 encryption

Includes:

- Digital Voice/Modem Hardware Module
- "TWELP" Vocoder
- DES-56 COMSEC

Notes:

- Factory internal fit only
- This option requires PRC-4080 VHF Programming Software
- Each radio should have no more than 1 digital voice module (4080-01-40, 4080-01-41, 4080-01-42)



Secure digital voice module with AES 256 encryption - SDV-256	4080-01-41	TT4711A	
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Secure digital voice module with adaptive vocoder with AES 256 encryption

Includes:

- Digital Voice/Modem Hardware Module
- "TWELP" Vocoder
- AES-256

Notes:

- Factory internal fit only
- This option requires PRC-4080 VHF Programming Software
- Each radio should have no more than 1 digital voice module (4080-01-40, 4080-01-41, 4080-01-42)



	Barrett P/ N	MSI P/N	Net Weight
VHF Tactical Data, Position and Messaging	4080-01-46	DDN4143A	

Provides Secure, Robust Messaging, Position Transfer and low-speed data modem.

Requires a Digital Voice Module (one of 4080-01-40, 4080-01-41, 4080-01-42)

Compatible with TAC Software products for short text messaging (4090-04-38 TT4372A, 4090-04-78 DDN3695A, 4090-04-79 TT4382A)

Supports plain-text, DES-56 or AES-256 COMSEC as determined by digital voice module.



VHF High-Speed Data Modem	4080-01-47	TT4713A	
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Provides High-speed data modem PLUS all functionality included in 4080-01-46.

Requires a Digital Voice Module (one of 4080-01-40, 4080-01-41, 4080-01-42)

High Speed Data applications such as file transfer require a TAC Software product (4090-04-38 TT4372A, 4090-04-78 DDN3695A, 4090-04-79 TT4382A)

Supports plain-text, DES-56 or AES-256 COMSEC as determined by digital voice module.



PRC-4080 VHF Programming Software	4080-04-02	DDN4147A	
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Complete programming software for PRC-4080 series transceivers. Includes Key Management and Generation for AES-256 and DES-56 COMSEC options.






PRC-4080 Fill Device	4080-04-01	DDN4193A	
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Fill gun to fill PRC-4080 VHF Transceiver with programming data. Can be destroyed for security reasons in the field.

- Includes:-
- Fill Device
  - USB A to USB C Cable

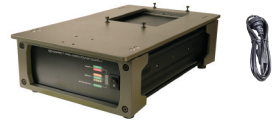


# **PRC-4080 VHF Hardware Accessories**

	Barrett P/ N	MSI P/N	Net Weight
<b>Single battery charger</b> For charging a single Rechargeable Li-Ion battery pack (P/N 4080-03-05, DDN4145A) (battery pack not included).	4080-03-06	DDN4146A	
			
<b>Rechargeable Li-Ion battery pack</b> Li Ion rechargeable battery compatible with the PRC-4080 VHF Hand-held Transceiver (P/N 4080-00-01, TT4709A)	4080-03-05	DDN4145A	
			
<b>Dual Battery Charger</b> For charging two rechargeable Li-Ion battery packs (P/N 4080-03-05, DDN4145A) (batteries not included).	4080-03-08	TT4714A	
			
<b>PRC-4090 Li-ion Battery Pack 16Ah</b> Lightweight Li-ion 16Ah battery pack. Compatible with PRC-4080 20W Manpack.	4090-03-05	DDN3548A	2.50 kg
			
<b>AC/DC Mains Adapter</b> For use with PRC-4090 Battery Pack (P/N 4090-03-05, DDN3548A)	4090-03-04	DDN3762A	0.50 kg
Includes: - Adapter - IEC mains cord (available in UK, European, AUS and US styles. Selected at point of order)			

	Barrett P/ N	MSI P/N	Net Weight
PRC-4022 AC Power supply module - 24 VDC for PRC-4080	4080-06-01	DDN4182A	

PRC-4022 power supply provides 24V DC power to the PRC-4080 system when in base station configuration. Ensures a sturdy configuration when stacking Power Amplifier and Transceiver Docking Station. Includes IEC cable.

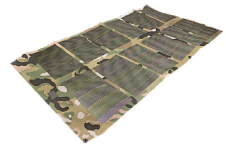


Rapid deployment solar panel - colour Multicam	2090-03-08	DDN3741A	1.3 kg
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Solar power supply pack - for charging and operating the manpack transceiver.

**Includes:-**

- Compact lightweight tactical foldout solar panel 24 VDC @ 1.2 Amps normal
- Folds to 37 cm x 22 cm x 4 cm package, with lead and plug to suit PRC-4090 and PRC-4081.



Webbing pouch - Multicam	4080-01-13	DDN4140A	
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Webbing pouch to suit PRC-4080 Tactical handheld. Colour - Multicam

**Notes:-**

- Transceiver not included.



Daypack - multicam	4090-01-36	DDN3763A	1.0 kg
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The Day Pack provides a compact carry bag solution for the PRC-4080 manpack. With storage for essential items like antennas, solar panel as well as a separate pouch for a water bladder and small rugged tablet. There are external MOLLE fixing points for user specific pouches to be added.



4080 VHF Transceiver Docking Station w/ Powered Speaker	4080-05-01	DDN4227A	
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Docking station for the PRC-4080 handheld transceiver. Can be attached to a vehicle dashboard to enhance operability while on the move.




**Includes:-**

- RAM Mount
- Powered speaker
- Docking Station assembly



	Barrett P/ N	MSI P/N	Net Weight
<b>Docking Station RAM Mount</b> For attaching a docking station to a vehicle dashboard or similar accessible point. Spare Part.	4082-00-04	DDN4385A	
			
<b>4080 VHF Tactical Manpack Frame</b> Frame to securely hold the PRC-4080 transceiver and 20W Tactical Power Amplifier for use in a manpack. Frame securely attaches to Li-ion Battery Pack 16Ah and can be carried in the Daypack - Multicam (P/N 2090-01-36) for hands-free portability.	4081-00-01	TT4832A	
			
<b>4080 Anti-Vibration Mounting Plate</b> Reduces vibration for vehicle mounted units and provides mounting point for the Tactical Amplifier 50W. Spare part.	4082-00-01	TT4886A	
			
<b>Tactical Amplifier 20W</b> For use with the PRC-4081 20 W VHF Tactical manpack configuration. Provides 20W fixed transmission power.	4081-00-02	TT4794A	
			
<b>Tactical Amplifier 50W</b> For use with the PRC-4082 50 W VHF Tactical mobile and PRC-4084 50 W VHF Tactical base configurations. Provides 50W fixed transmission power.	4082-00-02	TT4776A	
			
<b>PRC-4080 Transceiver GPS Antenna</b> Replacement GPS Antenna for 4080-00-01, TT4709A PRC-4080 Transceiver. Simple to attach via SMA connector to the top of the PRC-4080 VHF transceiver. Provides position and time-of-day data.	4080-01-24	DDN4141A	
			

	Barrett P/ N	MSI P/N	Net Weight
<b>H-250 Tactical Handset</b> Standard H-250 tactical handset. Provides simplified transmit/receive functionality.	4090-01-14	DDN3550A	0.35 kg
			
<b>Lightweight tactical headset (under helmet)</b> Lightweight tactical headset, suited to under helmet mounting with speaker, microphone and clip on Press-To-Talk (PTT) button. Colour black.	4090-01-38	DDN3549A	0.28 kg
			
<b>4080 Powered External Speaker</b> Rugged external speaker used in conjunction with the PRC-4080 Hand-set docking station.	4080-01-33	DDN4384A	
			
<b>1.2m Tape Whip Antenna</b> 1.2m 20W foldable antenna with integral gooseneck. Threaded fitting. Adjustable angle.	4080-02-01	DDN4144A	
			
<b>50W 20MHz - 520MHz Lightweight Centre-fed Dipole Whip antenna</b> Antenna comprised of two composite radiating elements compatible with the PRC-4080 Mobile and Base Station configurations. Includes the vehicle NATO mounted antenna base.	4082-02-10	DDN4386A	
			
			

	Barrett P/ N	MSI P/N	Net Weight
50W Antenna Mast Base	4082-02-11	DDN4195A	
<p>Allows the 4082-02-10 antenna to be mounted to an antenna mast. The mast antenna base is made of two stainless steel joints and a hard polyester tube with an outer diameter of 42.7 mm. The tube is equipped with mounting adapters which can be installed on the poles up to 60 mm in diameter. Antenna not included.</p>			
			
4080 IO Breakout box	4080-04-06	DDN4194A	
<p>PRC-4080 Transceiver Hotshoe connector Breakout Box. Breaks out Audio, PTT, GPIO and RS232 interfaces</p>			
			
VHF Rebroadcast Interface	2080-01-20	TT4800A	
<p><b>Includes:-</b> - VHF Rebroadcast Interface guide P/N BCM20802</p>			
			
Docking Station RF Cable	4080-02-02	DDN4184A	
<p>RF cable between Docking station and Tactical Amplifier 50W Transceiver. Spare part.</p>			
Base Station 4022 DC Power cable	4080-03-10	DDN4183A	
<p>DC power cable connecting the PRC-4022 to Tactical Amplifier 50W. Spare part.</p>			
VHF Mobile DC Power Cable (6 M)	4080-03-11	DDN4721A	
<p>6m unterminated DC power cable for powering a PRC-4080 transceiver in mobile\docking station configuration. Spare part</p>			

# **PRC-2080+ Legacy VHF Tactical Packages**

	Barrett P/ N	MSI P/N	Net Weight
PRC-2080+ 5 W VHF Tactical handheld package	2085-00-10	TT4593A	3.55 kg

**Standard features:-**

- 10 preset - 25 kHz (2304 Channels)
- 150 Hz tone squelch in legacy mode (AFF) (STANAG 4204, PRC-77 compatible)
- Advanced module diagnostics & error conditions
- Meets MIL-STD 810G for shock, temperature, vibration, dust and immersible to 1 m for 1 hr

**Optional Features:-**

- ECCM parameters
- COMSEC - Encrypted fixed frequency
- TRANSEC - Digital encryption, Frequency hopping, free channel search

For additional options and accessories, please see relevant section detail.

**Note:-** See brochure for more detailed information.



**Includes:-**

- 1 PRC-2080+ VHF Transceiver
- 2 Rechargeable 6.5 Ah Li-Ion battery pack
- 3 Tactical handset with keypad
- 4 5 W Gooseneck
- 5 Collapsible whip 1.8 metres
- 6 Tape whip antenna
- 7 Webbing pouch - Multicam
- 8 Battery charger with adaptor and plate
- 9 Barrett PRC-2080+ operation manual

2085-00-00	DDN3823A
2085-03-05	DDN3709A
2080-01-11	DDN3824A
2085-02-01	DDN3825A
2085-02-02	DDN4096A
2085-02-03	DDN3826A
2080-01-13	DDN3827A
2085-03-09	DDN4030A
2085-60-10	DDN4372A

	Barrett P/ N	MSI P/N	Net Weight
PRC-2081+ 25 W VHF Tactical manpack package	2086-00-10	TT4780A	10.9 kg

**Standard features:-**

- 10 preset - 25 kHz (2304 Channels)
- 150 Hz tone squelch in legacy mode (AFF) (STANAG 4204, PRC-77 compatible)
- Advanced module diagnostics & error conditions
- Meets MIL-STD 810G for shock, temperature, vibration, dust and immersible to 1 m for 1 hr

**Optional Features:-**

- ECCM parameters
- COMSEC - Encrypted fixed frequency
- TRANSEC - Digital encryption, Frequency hopping, free channel search

For additional options and accessories, please see relevant section detail.

**Note:-** See brochure for more detailed information.



**Includes:-**

1	PRC-2080+ VHF Transceiver	2085-00-00	DDN3823A	
2	Tactical handset with keypad	2080-01-11	DDN3824A	
3	VHF 25 Watt docking station	2086-00-00	DDN4374A	
4	Battery pack 14.4 V 10 Ah Li-Ion	2090-03-05	DDN3712A	
5	Daypack - colour Multicam	4090-01-36	DDN3763A	
6	25 W Gooseneck	2086-02-01	DDN4112A	
7	Collapsible whip 1.8 metres	2085-02-02	DDN4096A	
8	Tape whip antenna	2085-02-03	DDN3826A	
9	Coax cable between transceiver and docking station	2087-00-05	DDN4378A	
10	Universal AC/DC adaptor	2090-03-01	DDN4381A	
11	Barrett PRC-2080+ operation manual	2085-60-10	DDN4372A	

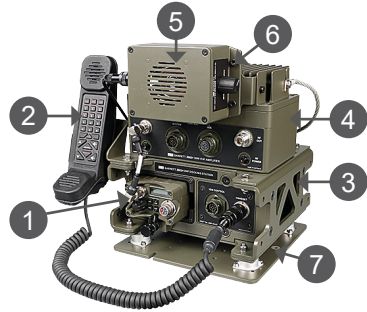
	Barrett P/ N	MSI P/N	Net Weight
PRC-2082+ 50 W VHF Tactical mobile package	2087-00-10	TT4444A	12.8 kg

**Standard features:-**

- 10 preset - 25 kHz (2304 Channels)
- 150 Hz tone squelch in legacy mode (AFF) (STANAG 4204, PRC-77 compatible)
- Advanced module diagnostics & error conditions
- Meets MIL-STD 810G for shock, temperature, vibration & dust

**Optional Features:-**

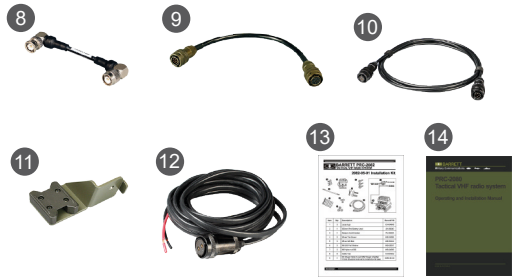
- ECCM parameters
- COMSEC - Encrypted fixed frequency
- TRANSEC - Digital encryption, Frequency hopping, free channel search



For additional options and accessories, please see relevant section detail.

**Notes:-**

- See brochure for more detailed information.
- Suitable antenna to be ordered separately.



**Includes:-**

1	PRC-2080+ VHF Transceiver	2085-00-00	DDN3823A
2	Tactical handset with keypad	2080-01-11	DDN3824A
3	Vehicle docking station for docking of PRC-2080+ Transceiver	2087-00-01	DDN4377A
4	50 W VHF Amplifier	2087-00-02	TT4970A
5	Rugged external mount speaker	2082-01-33	DDN4364A
6	VHF Speaker mounting bracket	2082-01-34	DDN4365A
7	Anti-vibration mount	2082-00-08	DDN4362A
8	Coax cable between transceiver and VHF amplifier	2087-00-05	DDN4378A
9	Interconnecting control cable 0.3m between 50 W VHF amplifier and vehicle docking station	2082-00-03	DDN4361A
10	Speaker cable	2082-10-32	DDN4367A
11	VHF Handset mounting bracket	2082-01-32	DDN4363A
12	DC Power cable suit 50 W amplifier	2090-03-06	DDN3717A
13	Installation kit	2082-05-01	DDN4366A
14	Barrett PRC-2080+ operation manual	2085-60-10	DDN4372A

	Barrett P/ N	MSI P/N	Net Weight
PRC-2084+ 50 W VHF Tactical base package	2089-00-10	TT4595A	17.3 kg

**Standard features:-**

- 10 preset - 25 kHz (2304 Channels)
- 150 Hz tone squelch in legacy mode (AFF) (STANAG 4204, PRC-77 compatible)
- Advanced module diagnostics & error conditions
- Meets MIL-STD 810G for shock, temperature, vibration & dust

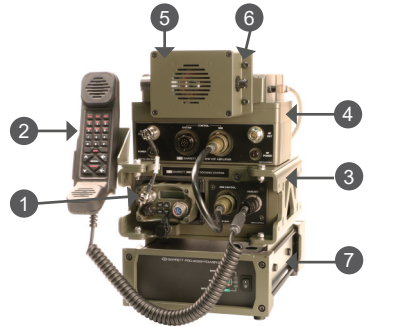
**Optional Features:-**

- ECCM parameters
- COMSEC - Encrypted fixed frequency
- TRANSEC - Digital encryption, Frequency hopping, free channel search

For additional options and accessories, please see relevant section detail.

**Notes:-**

- See brochure for more detailed information.
- Suitable antenna to be ordered separately.



**Includes:-**

1	PRC-2080+ VHF Transceiver	2085-00-00	DDN3823A
2	Tactical handset with keypad	2080-01-11	DDN3824A
3	Vehicle docking station for docking of PRC-2080+ Transceiver	2087-00-01	DDN4377A
4	50 W VHF Amplifier	2087-00-02	TT4970A
5	Rugged external mount speaker	2082-01-33	DDN4364A
6	VHF Speaker mounting bracket	2082-01-34	DDN4365A
7	AC power supply module - 13.8 VDC	2089-01-00	TT4974A
8	Coax cable between transceiver and VHF amplifier	2087-00-05	DDN4378A
9	Interconnecting control cable 0.3m between 50 W VHF amplifier and vehicle docking station	2082-00-03	DDN4361A
10	Speaker cable	2082-10-32	DDN4367A
11	VHF Handset mounting bracket	2082-01-32	DDN4363A
12	Vehicle docking station to power supply connecting cable	2089-06-06	DDN4380A
13	Barrett PRC-2080+ operation manual	2085-60-10	DDN4372A

	Barrett P/ N	MSI P/N	Net Weight
PRC-2083+ 50 W VHF Tactical re-broadcast system	2088-00-10	TT4447A	33.5 kg

**Standard features:-**

- 10 preset - 25 kHz (2304 Channels)
- 150 Hz tone squelch in legacy mode (AFF) (STANAG 4204, PRC-77 compatible)
- Advanced module diagnostics & error conditions

**Optional Features:-**

- ECCM parameters
- COMSEC - Encrypted fixed frequency
- TRANSEC - Digital encryption, Frequency hopping, free channel search

For additional options and accessories, please see relevant section detail.

**Notes:-**

- Suitable antenna and power supply (if required) to be ordered separately.
- If fitted to a vehicle will require 2 x DC Power cable P/N 2082-00-04
- See brochure for more detailed information.

**Includes:-**

PRC-2080+ VHF Transceiver x 2

Combined vehicle docking station for PRC-2080+ Transceiver

50 W VHF Amplifier x 2

Tactical handset with keypad x 2

VHF Speaker mounting bracket x 2

Interconnecting control cable 0.3m between 50 W VHF amplifier and vehicle docking station x 2

Coax cable 0.6 m BNC to BNC vehicle docking station to 50 W VHF amplifier x 2

Coax cable 0.55 m TNC to BNC vehicle docking station to 50 W VHF amplifier x 2

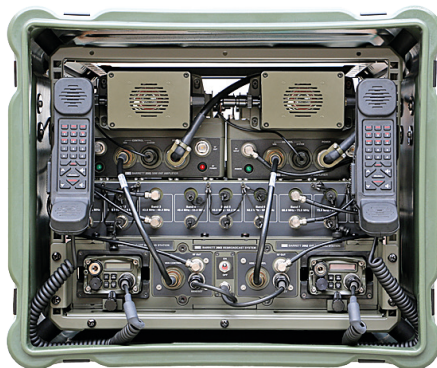
Bandpass filter panel

Barrett PRC-2080+ operation manual

Transportation casing

Rugged external mount speaker x 2

Cable speaker to PRC-2082+ Transceiver x 2



2085-00-00	DDN3823A
2088-00-21	TT4973A
2087-00-02	TT4970A
2080-01-11	DDN3824A
2082-01-34	DDN4365A
2082-00-03	DDN4361A
SA-20832	DDN4410A
SA-20879	DDN4411A
2088-00-01	TT4972A
2085-60-10	DDN4372A
2083-00-03	DDN4368A
2082-01-33	DDN4364A
2082-10-32	DDN4367A

	Barrett P/ N	MSI P/N	Net Weight
PRC-2080+ VHF Tactical transceiver	2085-00-00	DDN3823A	1.1 kg

**Standard features:-**

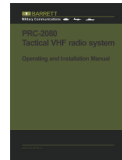
- 10 preset - 25 kHz (2304 Channels)
- 150 Hz tone squelch in legacy mode (AFF) (STANAG 4204, PRC-77 compatible)
- Advanced module diagnostics & error conditions
- Meets MIL-STD 810G for shock, temperature, vibration & dust

**Optional Features:-**

- ECCM parameters
- COMSEC - Encrypted fixed frequency
- TRANSEC - Digital encryption, Frequency hopping, free channel search



For additional options and accessories, please see relevant section detail.



**Notes:-**

- See brochure for more detailed information.

**Includes:-**

PRC-2080+ VHF Transceiver	2085-00-00	DDN3823A	
Barrett PRC-2080+ operation manual	2085-60-10	DDN4372A	

# **PRC-2080+ Legacy VHF Hardware and Software Options**

	Barrett P/ N	MSI P/N	Net Weight
<b>Security options</b>	2080-01-02	DDN3710A	

**Security options includes:-**

- Analogue Voice - Fixed Frequency (fitted as standard to all PRC-2080+'s)
- Digital Unencrypted Data - Fixed Frequency (fitted as standard to all PRC-2080+'s)
- Digital Encrypted Voice - Fixed Frequency (DEFF)
- Digital Encrypted Voice - Free Channel Search (DEFCS)
- Digital Encrypted Data - Fixed Frequency



<b>Frequency hopping options</b>	2080-01-01	DDN4034A	
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**Frequency hopping options includes:-**

- Analogue Voice - Fixed Frequency ( fitted as standard to all PRC-2080+'s)
- Digital Unencrypted Data - Fixed Frequency (fitted as standard to all PRC-2080+'s)
- Digital Encrypted Voice - Fixed Frequency (DEFF)
- Digital Encrypted Voice - Frequency Hopping (DEFH)
- Digital Encrypted Voice - Free Channel Search (DEFCS)
- Digital Encrypted Data - Fixed Frequency
- Digital Encrypted Data - Frequency Hopping



**Note:-** This option requires an Australian Defence Export Licence.

<b>Programming Software Package</b>	2085-04-02	DDN3830A	0.2 kg
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Microsoft Windows compatible (Windows XP or later) programming software package to suit all PRC-2080+'s.

**Includes:-**

- Programming cable P/N 2085-04-04
- Installation software P/N BCUSB20801
- USB to serial adaptor P/N BCA92318



	Barrett P/ N	MSI P/N	Net Weight
Fill gun programming unit and programming software	2085-04-11	DDN4247A	0.6 kg

Fill gun programming unit to fill 2080+ VHF Transceiver with programming data. Can be destroyed for security reasons in the field.



**Includes:-**

- Bench programming unit, with USB connector  
P/N 2080-04-10
- Programming software P/N BCUSB20801

Fill gun	2080-04-05	DDN3750A	0.1 kg
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Fill gun to fill 2080+ VHF Transceiver with programming data. Can be destroyed for security reasons in the field.



Fill gun and fill gun programming unit package	2085-04-10	DDN3721A	0.8 kg
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Fill gun to fill 2080+ VHF Transceiver with programming data. Can be destroyed for security reasons in the field.

**Includes:-**

- Fill gun P/N 2080-04-05, DDN3750A
- Bench programming unit, with USB connector P/N 2080-04-10
- Programming software P/N BCUSB20801



# **PRC-2080+ Legacy VHF Data options**

Barrett P/ N	MSI P/N	Net Weight
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**Messaging and data transfer software**

2080-01-09

DDN4164A

0.2 kg

Enables transmission of data between PRC-2080+ VHF Transceivers.

**Includes:-**

- USB messaging and data transfer software  
P/N 2080-04-06
- Serial data cable P/N 2085-04-04
- USB to serial adaptor P/N BCA92318

**Serial data cable**

2085-04-04

DDN4369A

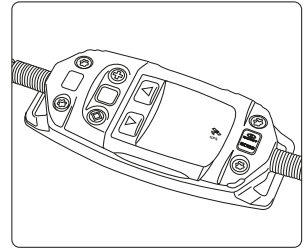
0.1 kg

Serial data cable to enable data operation.



	Barrett P/ N	MSI P/N	Net Weight
Barrett PRC-2068 VHF In-line Voice and Position Encrypter with H250	2068-10-75	TT4969A	0.5 kg

The Barrett range of In-Line Voice and Position Encryptors are high performance, digital, in-line secure voice modems with built-in GPS. They are suitable for first responders, security agencies, governmental and paramilitary users with voice privacy and asset tracking. Easily integrating with VHF radio transceivers via the audio or accessory interface, the units are suitable for use with hand-held, man-pack and vehicular radio equipment. NATO green.



VHF System Configurator and Keyfill software	2068-10-70	TT4968A	
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Configurator and Keyfill software used when programming the Barrett PRC-2068 VHF In-line Voice and Position Encrypter with H250 (P/N 2068-10-75).

# **PRC-2080+ Legacy VHF Hardware Accessories**

	Barrett P/ N	MSI P/N	Net Weight
Li-Ion Battery charger/Programming base	2085-03-09	DDN4030A	0.6 kg

For charging 6.5Ah Li-Ion battery pack and programming 2080+ VHF Transceiver

**Includes:-**

- AC Power supply cable P/N SA-00020\* (Selected at point of order)
- Battery charger adaptor P/N 2085-03-10
- Battery charger plate



Rechargeable 6.5 Ah Li-Ion battery pack	2085-03-05	DDN3709A	0.6 kg
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6.5 Ah Li Ion rechargeable battery.



Multiway 6 pocket Li-Ion Battery charger/Programming Base	2085-03-11	TT4594A	5.8 kg
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For charging multiple 6.5 Ah Li-Ion batteries and programming up to 4 x 2080+ VHF Transceivers. Universal 110 – 250 V AC input. DC 24V input

**Includes:-**

- AC Power supply cable s P/N SA-00020\* (Selected at point of order)
- USB to mini USB programming cable P/N 2085-04-03



**Note:-** Battery backup cable ordered separately P/N 2090-06-08

10 Ah, 14.4 V Lithium Ion battery pack	2090-03-05	DDN3712A	1.25 kg
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Battery cartridge - for PRC-2081+ brigade radio.  
- 14.4 V 10 Ah Lithium Ion battery



Barrett P/ N

MSI P/N

Net Weight

**Rapid deployment solar panel - colour Multicam**

2090-03-08

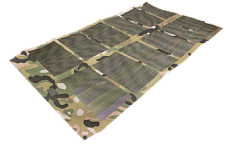
DDN3741A

1.3 kg

Solar power supply pack - for charging and operating the manpack transceiver.

**Includes:-**

- Compact lightweight tactical foldout solar panel 24 VDC @ 1.2 Amps normal
- Folds to 37 cm x 22 cm x 4 cm package, with lead and plug to suit PRC-4090 and PRC-2081+


**Universal AC/DC adaptor**

2090-03-01

DDN4381A

1.8 kg

Universal AC/DC power adaptor - for charging and operating the 25 W brigade radio when either mains power between 100 and 254 VAC or DC power between 11 and 18 VDC is available.

**Includes:-**

- AC power cords to suit most world power outlets\* (Selected at point of order)
- DC power lead that has clips and adaptors to plug into either a vehicle cigarette lighter outlet, vehicle power outlet or 12 V battery


**Tactical handset with keypad**

2080-01-11

DDN3824A

0.4 kg

Tactical handset with waterproof MIL-SPEC connector, speaker, microphone, Press-To-Talk (PTT) button and backlit control keypad for use with advanced software features such as Selcall, Groupcall, key entry and front panel programming.


**Lightweight tactical headset (under helmet)**

4090-01-38

DDN3549A

0.2 kg

Lightweight tactical headset, suited to under helmet mounting, with MIL-SPEC connector, speaker, microphone on a gooseneck and clip on Press-To-Talk (PTT) button.



	Barrett P/ N	MSI P/N	Net Weight
Tactical installation kit	2082-05-01	DDN4366A	0.2 kg

**Includes:-**

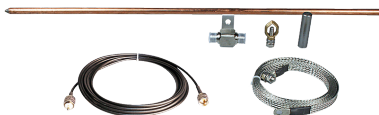
- Large selection of screws to accommodate most installations
- Cable ties
- Rubber amalgamation tape
- Power cable lugs
- Manual circuit breaker
- Braided earth lead with lugs



VHF Lightning arrestor kit	2080-05-01	DDN3716A	2.05 kg
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**Includes:-**

- 1 x Surge arrestor with 'N' type (female) connectors
- 1 x 5 metres length of RG58 Coaxial cable with 'N' type (male)
- 1 x Steel dolly
- 1 x 3 m earth braid
- 1 x Brass cable clamp assembly
- 1 x Copper plated steel earth rod



Webbing pouch - Multicam	2080-01-13	DDN3827A	0.1 kg
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Webbing pouch to suit PRC-2080+ 5 W Tactical handheld. Colour - Multicam

**Notes:-**

- Transceiver not included.









Rugged external mount speaker	2082-01-33	DDN4364A	0.6 kg
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External mount speaker for the PRC-2082+ 50 W VHF transceiver when used in a mobile, or the PRC-2084+ as a base or within a re-broadcast system.

**Note:-** Cable part number 2082-10-32 is required to connect the speaker.



	Barrett P/ N	MSI P/N	Net Weight
<b>VHF Speaker mounting bracket</b> Speaker bracket for mounting the rugged external speaker to the vehicle docking station.	2082-01-34	DDN4365A	0.08 kg
			
<b>Cable speaker</b> Cable to connect the rugged external mount speaker to the PRC-2082+ 50 W VHF amplifier when used in a mobile, or the PRC-2084+ as a base or within a rebroadcast system.	2082-10-32	DDN4367A	0.06 kg
			
<b>Vehicle docking station to power supply cable</b> Cable to connect vehicle docking station to AC power supply.	2089-06-06	DDN4380A	0.25 kg
			
<b>VHF Handset mounting bracket</b> Bracket to mount handset to the PRC-2082+ 50 W VHF Transceiver when use in a mobile, as a base or within a rebroadcast system.	2082-01-32	DDN4367A	0.06 kg
			
<b>Vehicle docking station</b> Vehicle docking station to connect PRC-2080+ VHF Transceiver to vehicle/ base amplifier or direct to external VHF antenna. Provides DC supply, Audio/ RS-232 and RF connectors.	2087-00-01	DDN4377A	3.10 kg
			
<b>Note:-</b> Any required cables to be ordered separately.			
<b>50 W VHF Amplifier</b> 30 - 88 MHz, provides 50 W power output for PRC-2080+ docked in vehicle docking station.	2087-00-02	TT4970A	4.15 kg
			
<b>Note:-</b> Any required cables to be ordered separately.			

	Barrett P/ N	MSI P/N	Net Weight
<b>Mass matched vibration mounting platform for Land application</b> For mounting a Vehicle Docking Station into an armoured or other shock-heavy vehicle. <b>Note:-</b> Includes transition plate.	2082-00-08	DDN4362A	2.3 kg
<b>Coaxial cable 0.1 metres</b> Coaxial cable 5 W to 25 W docking station or 50 W VHF amplifier.	2087-00-05	DDN4378A	0.04 kg
<b>Coaxial cable 0.4 metres</b> Coaxial cable BNC to BNC 0.4 metres vehicle docking station to 50 W VHF amplifier for PRC-2083 50 W VHF Tactical re-broadcast system.	SA-20832	DDN4410A	0.04 kg
<b>Control cable 370mm</b> Interconnecting control cable 0.37 metres between 50 W VHF amplifier and vehicle docking station.	2082-00-03	DDN4361A	0.1 kg
<b>DC Power cable</b> DC Power cable to suit 50 W amplifier.	2090-03-06	DDN3717A	0.95 kg
<b>Battery backup cable</b> AC Power supply battery backup cable.	2090-06-08	DDN4382A	1.20 kg
<b>VHF Rebroadcast Interface</b>	2080-01-20	TT4800A	



**Include:-**  
 - VHF Rebroadcast Interface guide P/N BCM20802



# **PRC-2080+ Legacy VHF Antenna options**

	Barrett P/ N	MSI P/N	Net Weight
Collapsible whip 1.8 metres	2085-02-02	DDN4096A	0.2 kg

Collapsible 1.8 metres whip - colour black.

**Note:-** Requires 5 W Gooseneck P/N 2085-02-01, DDN3825A or 25 W Gooseneck P/N 2086-02-01, DDN4112A to connect the whip antenna to the transceiver.



5 W Gooseneck	2085-02-01	DDN3825A	0.35 kg
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5 W Gooseneck for connecting collapsible whip antenna P/N 2085-02-02, DDN4096A or tape whip antenna P/N 2085-02-01 to the PRC-2080+ 5 W VHF Tactical transceiver.



25 W Gooseneck	2086-02-01	DDN4112A	0.35 kg
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25 W Gooseneck for connecting collapsible whip antenna P/N 2085-02-02, DDN4096A or tape whip antenna P/N 2085-02-01, DDN3825A to the PRC-2081+ 25 W VHF Tactical manpack.



Tactical rapid deployment antenna with RG-58 coaxial cable and connectors	See below		1.8 kg
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Field deployable broadband 30 - 88 MHz antenna complete with 20 metres RG-58 coaxial cable, TNC adaptor and N-type connectors.



With 20m of RG-58 Coaxial cable	2086-02-10	DDN4375A	1.50 kg
With 10 metres RG-58 coaxial cable	2086-02-11	DDN4376A	0.75 kg

	Barrett P/ N	MSI P/N	Net Weight
Military VHF 30-88 MHz fibreglass whip and base antenna	2087-02-11	TT4577A	3.1 kg

Sourced from Trival Antene this wideband 30 to 88 MHz VHF antenna mainly intended for use in heavy-duty mobile applications. The antenna is composed of four main parts: antenna base, lower, middle and upper radiating element. Stainless steel spring absorbs the shocks and the vibrations. Elements are made of composite materials enabling outstanding strength and ruggedness. The antenna base has four mounting holes which complies with NATO standard. The antenna radiator is painted with military green (RAL-6014) two-component UV resistant paint. Deployed length 3.4m

**Includes:-**

- Military VHF whip antenna and base P/N AD-18/D3-BNC
- 5 metres coaxial cable P/N 2082-00-07



Military VHF 30-88 MHz fibreglass whip and base antenna	2087-02-10	TT4445A	4.95 kg
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Military grade fibreglass whip antenna is a ruggedly constructed VHF centre-fed whip antenna. Deployed length 3.45 metres.

**Includes:-**

- Military VHF whip antenna P/N 2087-02-01
- Military VHF antenna base P/N 2087-02-02
- 5 metres coaxial cable P/N 2082-00-07



RG-58 coaxial cable with "N" type connectors 20 metres	2084-02-02	DDN3715A	0.4 kg
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20 metres of RG-58 coaxial cable with "N" type connectors.



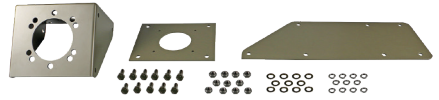
RG-213 coaxial cable with "N" type connectors 20 metres	2084-02-01	DDN3720A	3.4 kg
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20 metres Coaxial cable for connecting military VHF 30-88 MHz whip antenna to PRC-2080+ series.



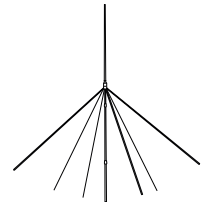
	Barrett P/ N	MSI P/N	Net Weight
Antenna mounting bracket	2090-02-19	DDN3924A	3.3 kg

Mounting bracket for VHF mobile whip antenna.



30 to 108 MHz elevated wideband VHF antenna	2083-02-03	DDN3714A	2.9 kg
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Rugged broadband antenna designed for high performance in the VHF frequency range 30 - 108 MHz. Used for tactical applications using a portable mast or, for base-station mounting on towers or other fixed platforms. 4.8 metres height, with 3.2 metres width, wind rating of 170 Kph and is NATO green.



**Compatible masts:-**

- Rapid Deployment Composite Mast 9.4m (P/N 2083-02-02)
- 10m Rapid deployment mast (P/N 2090-02-21)

**Notes:-**

- Requires 20 metres RG-58 coaxial cable P/N 2084-02-02, DDN3715A
- Recommended for temporary use only

30 to 108 MHz centre-fed ground independent whip with stand-off bracket to suit composite masts	2083-02-01	DDN3719A	3.7 kg
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Frequency range 30 - 108 MHz, power input 100 Watt, gain -6 dBi - +2 dBi , length 3 m, environmentally designed to comply with MIL-STD 810G.

**Compatible masts:-**

- 10m Rapid deployment mast (P/N 2090-02-21)

**Note:-** Requires 20 metres RG-213 coaxial cable P/N 2084-02-01, DDN3720A



# Maintenance

	Barrett P/ N	MSI P/N	Net Weight
<b>PRC-4090 Micro Complete</b> <b>SDR Micro board complete.</b>	4090-60-01	DDN4023A	
<b>PRC-4090 PA complete on chassis</b> The PA board is supplied fitted to the chassis	4090-60-02	TT4589A	
<b>PRC-4090 Interface Board PCB</b> Interface board complete.	4090-60-03	TT4812A	
<b>PRC-4090 ATU Board PCB</b> ATU board complete.	4090-60-04	DDN3855A	
<b>PRC-4090 Component Spares kit</b> Discrete component spares based on one transceiver for 5 years operation.	4090-60-00	DDN3856A	
<b>PRC-4090 Control Handset Complete</b> Complete PRC-4090 Control Handset setup.	4090-60-05	TT4813A	
<b>PRC-2080 5 W VHF Squad radio component spares kit</b> Component spares kit to maintain 5 x PRC-2080 5 W VHF Squad radios for a 5 year period	2085-60-00	DDN4370A	
<b>PRC-2080 Bench test / programming unit</b> Bench mount unit used with programming software to program and test RF power output of PRC-2080	2085-60-15	DDN4373A	

	Barrett P/ N	MSI P/N	Net Weight
<b>PRC-2080 5 W VHF Squad radio module spares kit</b> Module spares kit to maintain 5 x PRC-2080 5 W VHF Squad radios for a 5 year period	2085-60-01	DDN4371A	
<b>PRC-2081 25 W VHF Brigade radio component spares kit</b> Component spares kit to maintain 5 x PRC-2081 25 W VHF Brigade radios for a 5 year period  <b>Note:-</b> this spares kit does not include spares associated with the docked PRC-2080 5 W VHF squad radio, these should be ordered separately.	2086-60-00	DDN4035A	
<b>PRC-2081 25 W VHF Brigade radio module spares kit</b> Component spares kit to maintain 5 x PRC-2081 25 W VHF Brigade radios for a 5 year period  <b>Note:-</b> this spares kit does not include spares associated with the docked PRC-2080 5 W VHF squad radio, these should be ordered separately.	2086-60-01	TT4603A	
<b>PRC-2082 50 W VHF Mobile radios component spares kit</b> Component spares kit to maintain 5 x PRC-2082 VHF Mobile radios for a 5 year period  <b>Note:-</b> this spares kit does not include spares associated with the docked PRC-2080 5 W VHF squad radio, these should be ordered separately.	2087-60-00	DDN4379A	
<b>PRC-2082 50 W VHF Mobile radio module spares kit</b> Component spares kit to maintain 5 x PRC-2082 VHF Mobile radios for a 5 year period  <b>Note:-</b> this spares kit does not include spares associated with the docked PRC-2080 5 W VHF squad radio, these should be ordered separately.	2087-60-01	TT4971A	

# Training

Please contact your local Sales Representative to enquire about training packages.