D-CORP INVEST PRESENTS

Barrett
Product catalogue

HF radios, system options and accessories





2026 EDITION · COMMERCIAL PORTFOLIO

A readable guide to the Barrett commercial range, from HF transceivers and high-power stations to cables, antennas, software and spare kits.

181 PRODUCTS AND OPTIONS + TRAINING ENQUIRIES

14 PRODUCT LINES

EXPLORE THE CATALOGUE

Product lines

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MANUFACTURER IN BRIEF

Barrett Communications

A Motorola Solutions company



Founded in 1976, Barrett develops HF and VHF radio equipment for medium- and long-distance communications. The commercial catalogue includes voice and data products for fixed, mobile and portable installations.

Fixed stations

HF radios, power systems, high-power transmitters and rack equipment.

Mobile and field

Vehicle and manpack configurations, portable antennas and controls.

Connected systems

Radio options, data applications, interface packs and voice bridging.

USING THIS CATALOGUE

Part numbers and package contents follow source edition BCPC4000/21. Net weights are indicative. Entries with conflicting source descriptions or references carry a clarification note.

PRODUCT LINE 01 OF 14

4000 Series HF Transceivers

4050ip, 4050wb, 4050se and 4090 radios, with base, mobile and manpack configurations.



Manufacturer product gallery

BC405000ip



Manufacturer product gallery

BC405010ip



Manufacturer product gallery

BC409002

IN THIS SECTION

13 ENTRIES

PAGES 005-017

HF TRANSCEIVERS

4050ip HF SDR Transceiver

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405000ip	**TT4449A**	**Page 6**

A radio configuration built around the 4050ip HF SDR platform.



Manufacturer product gallery

FREQUENCY RANGE
1.5-30 MHz

CHANNELS / CONTACTS
1,000 / 500

OUTPUT / DC SUPPLY
10 / 30 / 125 / 150 W · 12 / 24 V nominal

CORE
Software-defined radio with DSP

CONNECTIVITY
RJ45 Ethernet / IP

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050ip HF SDR Transceiver	**BC405000ip**	**TT4449A**
Hand microphone and clip with channel up/down buttons	**BCA40010**	**DDN3620A**
Loudspeaker	**BCA40015**	**DDN3621A**
DC power cable and connector - 1.2 metres	**BCA40041**	**DDN3812A**
Barrett 4050 Operation and installation manual	**BCM40500**	**DDN3725A**

SELECTION NOTES

Catalogue options include 2G/3G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions. The source lists AC/DC power and rack mounting separately.

HF TRANSCEIVERS

4050ip HF SDR Base Station Package

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405010ip	**TT4312A**	**Page 7**

A base station configuration built around the 4050ip HF SDR platform.



Manufacturer product gallery

FREQUENCY RANGE
1.5-30 MHz

CHANNELS / CONTACTS
1,000 / 500

OUTPUT / DC SUPPLY
10 / 30 / 125 / 150 W · 12 / 24 V nominal

CORE
Software-defined radio with DSP

CONNECTIVITY
RJ45 Ethernet / IP

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050ip HF SDR Transceiver	**BC405000ip**	**TT4449A**
4022 Power supply	**BC402201**	**DDN3726A**
Hand microphone and clip with channel up/down buttons	**BCA40010**	**DDN3620A**
Power supply stacking cradle	**BCA40016**	**DDN3729A**
Barrett 4050 Operation and installation manual	**BCM40500**	**DDN3725A**

SELECTION NOTES

Catalogue options include 2G/3G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions.

HF TRANSCEIVERS

4050ip HF SDR Mobile Station Package

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405011ip	TT4349A	Page 8

A mobile station configuration built around the 4050ip HF SDR platform.



Manufacturer product gallery

FREQUENCY RANGE
1.5-30 MHz

CHANNELS / CONTACTS
1,000 / 500

OUTPUT / DC SUPPLY
10 / 30 / 125 / 150 W · 12 / 24 V nominal

CORE
Software-defined radio with DSP

CONNECTIVITY
RJ45 Ethernet / IP

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050ip HF SDR Transceiver	BC405000ip	TT4449A
Hand microphone and clip with channel up/down buttons	BCA40010	DDN3620A
Loudspeaker	BCA40015	DDN3621A
DC power cable and connector - 6 metres	BCA40006	DDN3773A
Mobile Pack	BCA40501	DDN4040A
Barrett 4050 Operation and installation manual	BCM40500	DDN3725A

SELECTION NOTES

Catalogue options include 2G/3G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions.

HF TRANSCEIVERS

4050wb HF SDR Transceiver

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405024wb	**TT4494A**	**Page 9**

A 4050wb configuration for HF voice and wideband data integration.



Manufacturer image

FREQUENCY RANGE

1.5-30 MHz

CHANNELS / CONTACTS

1,000 / 500

WIDEBAND CAPABILITY

Up to 24 kHz signals · up to 120 kbps with external modem

CONNECTIVITY

RJ45 Ethernet / IP

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050wb HF SDR Transceiver	**BC405024wb**	**TT4494A**
DC power cable and connector - 1.2 metres	**BCA40041**	**DDN3812A**
Barrett 4050 Wideband Operation and installation manual	**BCM40509**	**DDN4403A**

SELECTION NOTES

Catalogue options include 2G/3G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions. The loudspeaker, AC/DC power supply and rack mounting are ordered separately. Wideband data requires a third-party external modem.

HF TRANSCEIVERS

4050ip HF SDR (Receiver only)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405001ip	**TT4672A**	**Page 10**

A receive-only 4050ip configuration for HF monitoring.



Manufacturer image

FREQUENCY RANGE
1.5-30 MHz

CHANNELS / CONTACTS
1,000 / 500

AUDIO OUTPUT
600 ohm, software-controlled level

CONNECTIVITY
RJ45 Ethernet / IP

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050ip HF SDR Receiver	**BC405001ip**	**TT4672A**
DC power cable and connector - 1.2 metres	**BCA40041**	**DDN3812A**
Barrett 4050 Operation and installation manual	**BCM40500**	**DDN3725A**

SELECTION NOTES

Catalogue options include 2G/3G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions. The loudspeaker, AC/DC power supply and rack mounting are ordered separately.

HF TRANSCEIVERS

4050ip HF SDR Transceiver with Control Handset

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405002ip	TT4374A	Page 11

A handset-controlled configuration built around the 4050ip HF SDR platform.



Manufacturer product gallery

FREQUENCY RANGE
1.5-30 MHz

CHANNELS / CONTACTS
1,000 / 500

OUTPUT / DC SUPPLY
10 / 30 / 125 / 150 W · 12 / 24 V nominal

CORE
Software-defined radio with DSP

CONNECTIVITY
RJ45 Ethernet / IP

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050ip HF SDR Transceiver body	BC405002ip	TT4374A
4050 Control Handset	BCA40500	DDN3789A
4050 Control Handset Interface Cable (5m)	BCA40502	DDN4097A
Loudspeaker	BCA40015	DDN3621A
DC power cable and connector - 6 metres	BCA40006	DDN3773A
Magnetic Car Mount	BCA40507	DDN4397A
Barrett 4050 Operation and installation manual	BCM40500	DDN3725A

SELECTION NOTES

Catalogue options include 2G/3G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions. The source lists AC/DC power and rack mounting separately. Wi-Fi use requires Interface Pack C, 4090-01-27.

HF TRANSCEIVERS

4050ip HF SDR Transceiver with Control Handset Mobile Station package

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405012ip	**TT4330A**	**Page 12**

A mobile station configuration built around the 4050ip HF SDR platform.



Manufacturer product gallery

FREQUENCY RANGE
1.5-30 MHz

CHANNELS / CONTACTS
1,000 / 500

OUTPUT / DC SUPPLY
10 / 30 / 125 / 150 W · 12 / 24 V nominal

CORE
Software-defined radio with DSP

CONNECTIVITY
RJ45 Ethernet / IP

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050ip HF SDR Handset Control Transceiver	**BC405002ip**	**TT4374A**
4050 Control Handset	**BCA40500**	**DDN3789A**
4050 Control Handset Interface Cable (5m)	**BCA40502**	**DDN4097A**
Loudspeaker	**BCA40015**	**DDN3621A**
DC power cable and connector - 6 metres	**BCA40006**	**DDN3773A**
Installation Kit	**BCA40004**	**DDN3602A**
Universal Mounting Cradle	**BCA40003**	**DDN3774A**
Magnetic Car mount	**BCA40507**	**DDN4397A**
Barrett 4050 Operation and installation manual	**BCM40500**	**DDN3725A**

SELECTION NOTES

Catalogue options include 2G/3G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions. The source lists AC/DC power and rack mounting separately. Wi-Fi use requires Interface Pack C, 4090-01-27.

HF TRANSCEIVERS

4050se HF SDR Transceiver

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405000se	TT4798A	Page 13

A radio configuration built around the 4050se HF SDR platform.



Manufacturer product gallery

FREQUENCY RANGE
1.5-30 MHz

CHANNELS / CONTACTS
200 / 300

OUTPUT / DC SUPPLY
10 / 30 / 125 / 150 W · 12 / 24 V nominal

CORE
Software-defined radio with DSP

CONNECTIVITY
Optional IP via USB

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050se HF SDR Transceiver	BC405000se	TT4798A
Hand microphone and clip with channel up/down buttons	BCA40010	DDN3620A
Loudspeaker	BCA40015	DDN3621A
DC power cable and connector - 1.2 metres	BCA40041	DDN3812A
Barrett 4050 Operation and installation manual	BCM40500	DDN3725A

SELECTION NOTES

Catalogue options include 2G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions. The source lists AC/DC power and rack mounting separately.

HF TRANSCEIVERS

4050se HF SDR Base Station Package

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405010se	TT4546A	Page 14

A base station configuration built around the 4050se HF SDR platform.



Manufacturer product gallery

FREQUENCY RANGE
1.5-30 MHz

CHANNELS / CONTACTS
200 / 300

OUTPUT / DC SUPPLY
10 / 30 / 125 / 150 W · 12 / 24 V nominal

CORE
Software-defined radio with DSP

CONNECTIVITY
Optional IP via USB

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050se HF SDR Transceiver	BC405000se	TT4798A
4022 Power supply	BC402201	DDN3726A
Hand microphone and clip with channel up/down buttons	BCA40010	DDN3620A
Power supply stacking cradle	BCA40016	DDN3729A
Barrett 4050 Operation and installation manual	BCM40500	DDN3725A

SELECTION NOTES

Catalogue options include 2G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions.

HF TRANSCEIVERS

4050se HF SDR Mobile Station Package

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405011se	TT4756A	Page 15

A mobile station configuration built around the 4050se HF SDR platform.



Manufacturer product gallery

FREQUENCY RANGE
1.5-30 MHz

CHANNELS / CONTACTS
200 / 300

OUTPUT / DC SUPPLY
10 / 30 / 125 / 150 W · 12 / 24 V nominal

CORE
Software-defined radio with DSP

CONNECTIVITY
Optional IP via USB

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050se HF SDR Transceiver	BC405000se	TT4798A
Hand microphone and clip with channel up/down buttons	BCA40010	DDN3620A
Loudspeaker	BCA40015	DDN3621A
DC power cable and connector - 6 metres	BCA40006	DDN3773A
Mobile Pack	BCA40501	DDN4040A
Barrett 4050 Operation and installation manual	BCM40500	DDN3725A

SELECTION NOTES

Catalogue options include 2G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions.

HF TRANSCEIVERS

4050se HF SDR Transceiver with Control Handset Mobile Station package

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC405012se	TT4616A	Page 16

A mobile station configuration built around the 4050se HF SDR platform.



Manufacturer product gallery

FREQUENCY RANGE
1.5-30 MHz

CHANNELS / CONTACTS
200 / 300

OUTPUT / DC SUPPLY
10 / 30 / 125 / 150 W · 12 / 24 V nominal

CORE
Software-defined radio with DSP

CONNECTIVITY
Optional IP via USB

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050se HF SDR Handset Control Transceiver	BC405002se	TT4980A
4050 Control Handset	BCA40500	DDN3789A
4050 Control Handset Interface Cable (5m)	BCA40502	DDN4097A
Loudspeaker	BCA40015	DDN3621A
DC power cable and connector - 6 metres	BCA40006	DDN3773A
Installation Kit	BCA40004	DDN3602A
Universal Mounting Cradle	BCA40003	DDN3774A
Magnetic Car Mount	BCA40507	DDN4397A
Barrett 4050 Operation and installation manual	BCM40500	DDN3725A

SELECTION NOTES

Catalogue options include 2G ALE, digital voice, secure voice/call, frequency hopping, ARINC and GPS functions. The source lists AC/DC power and rack mounting separately. USB IP connectivity requires Interface Pack C, 4090-01-27.

HF TRANSCEIVERS

4090 HF SDR manpack package

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC409002	TT4307A	Page 17

A battery-powered 4090 HF SDR configuration for portable field communications.



Manufacturer product gallery

FREQUENCY / CHANNELS
1.5-30 MHz · 1,000 channels

RF OUTPUT
10-30 W PEP

DC SUPPLY
22 V nominal

INTERFACES
GPS and RS232

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4090 HF Tactical manpack transceiver	BC409001	TT4838A
4090 Control handset	BCA409001	DDN3591A
4090 Handset Cradle and Molle strap	4090-05-04	DDN3765A
Control Handset cable 1.2 metres	4090-01-12	DDN3767A
4090 Li-ion Battery Pack 16Ah	BCA409005	TT4368A
Collapsible Whip 3m - for 4090	4090-02-10	DDN3759A
Gooseneck - for 4090	4090-02-11	DDN3760A
Counterpoise earth kit - single wire	4090-02-09	DDN3761A
Long wire throw out antenna	4090-02-06	DDN3618A
AC/DC Mains Adapter for use with 4090-03-05 Battery Pack	4090-03-04	DDN3762A
Daypack - colour black	4090-01-37	DDN4325A
4090 operating and installation manual	BCM409000	DDN4404A

SELECTION NOTES

The catalogue lists ALE, ECCM and internal modem options. This package includes a 16 Ah battery, antennas and carrying accessories.

HF TRANSCEIVERS

4090 HF SDR Tactical transceiver

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC409001	TT4838A	Page 18

A battery-powered 4090 HF SDR configuration for portable field communications.



Manufacturer image

FREQUENCY / CHANNELS

1.5-30 MHz · 1,000 channels

RF OUTPUT

10-30 W PEP

DC SUPPLY

22 V nominal

INTERFACES

GPS and RS232

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4090 HF Tactical manpack transceiver	BC409001	TT4838A
4090 Control handset	BCA409001	DDN3591A
Control handset cable 1.2 metres	4090-01-12	DDN3767A
Barrett 4090 operation and installation manual	BCM409000	DDN4404A

SELECTION NOTES

The catalogue lists ALE, ECCM and internal modem options. The battery is ordered separately for this configuration.

PRODUCT LINE 02 OF 14

Hardware and Software Options

Link establishment, voice options, remote control, programming and radio integration.

SOFTWARE / OPTION

4090-01-03

TT4308A

Catalogue identification

4090-01-03



Manufacturer image

BCO40508



Manufacturer image

BCO40516

IN THIS SECTION

21 ENTRIES

PAGES 019-039

RADIO OPTIONS

2G Automatic link establishment (ALE)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-01-03	TT4308A	Page 20

Adds second-generation automatic link establishment to compatible Barrett radios.

SOFTWARE / OPTION

4090-01-03

TT4308A

Catalogue identification

STANDARD
MIL-STD-188-141B / FED-STD-1045

INSTALLATION
Internal option

DOCUMENTATION
2G/3G ALE manual

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

4090-01-04

RADIO OPTIONS

3G Automatic link establishment (ALE)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-01-04	TT4352A	Page 20

Adds third-generation ALE and interoperability with 2G and 3G radios.

SOFTWARE / OPTION

4090-01-04

TT4352A

Catalogue identification

STANDARD
STANAG 4538

INSTALLATION
Internal option

INCLUDED
2G/3G ALE manual

SELECTION NOTES

Synchronous 3G ALE requires a GPS-equipped radio in the network.

RELATED ENTRIES

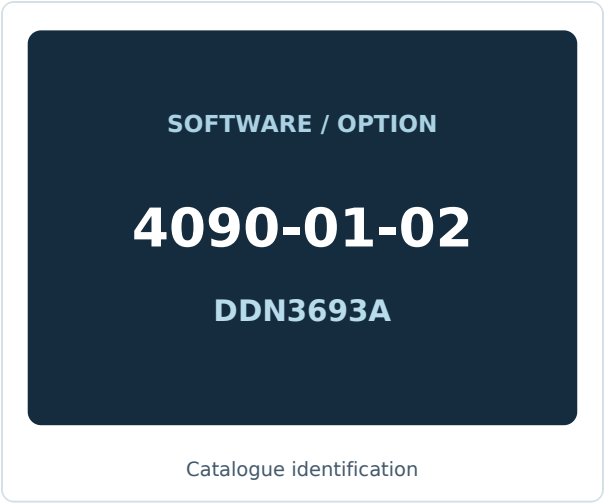
- 4090-01-03
- 4090-01-02

RADIO OPTIONS

Secure call

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-01-02	DDN3693A	Page 20

Provides a secure-call option for point-to-point or group radio calls.



Catalogue identification

INSTALLATION

Internal option

CALLING

Point-to-point or point-to-multipoint

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

4090-01-04 | 4090-01-01

Frequency hopping

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-01-01	TT4310A	Page 21

Adds the catalogue's frequency-hopping option to a compatible radio.

SOFTWARE / OPTION

4090-01-01

TT4310A

Catalogue identification

HOP RATES

5 or 25 hops per second

INSTALLATION

Internal option

SEPARATE ACCESSORY

ESU / GPS receiver

SELECTION NOTES

The source states that this option requires an Australian Government export licence.

RELATED ENTRIES

- 4090-01-02
- 4090-01-42

RADIO OPTIONS

Digital voice module: DV

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-01-42	DDN3811A	Page 21

Provides clear digital voice using the specified vocoder module.

SOFTWARE / OPTION

4090-01-42

DDN3811A

Catalogue identification

VOCODER RATES
700 / 1200 / 2400 bps

VOCODER
TWELP

FIT
Factory internal installation

SELECTION NOTES

Encryption is a separate option. MIL data and external Clover data can be used in supported configurations.

RELATED ENTRIES

- 4090-01-01
- 4090-01-28

Free Scroll Tx/Rx

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-01-28	DDN3598A	Page 21

Allows voice transmission while the Free Scroll receive function is in use.

SOFTWARE / OPTION

4090-01-28

DDN3598A

Catalogue identification

PLATFORMS

4050 and 4090

INSTALLATION

Internal option

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

- 4090-01-42
- BCO40530se

Remote Access Option

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BCO40530se	DDN4317A	Page 21

Enables remote-access applications and external radio accessories on the 4050se.

SOFTWARE / OPTION

BCO40530se

DDN4317A

Catalogue identification

PLATFORM

4050se

EXAMPLES

4000 Series Remote Control / 4020 HF Radio Mailbox

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

- 4090-01-28
- 4090-01-41

RADIO OPTIONS

Secure digital voice module with DES 56 encryption - SDV-56

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-01-41	TT4369A	Page 22

Adds the SDV-56 secure digital voice module specified in the catalogue.

SOFTWARE / OPTION

4090-01-41

TT4369A

Catalogue identification

ENCRYPTION DESIGNATION

DES 56

VOCODER RATES

700 / 1200 / 2400 bps

FIT

Factory internal installation

SELECTION NOTES

For 4050, use the listed key-management software 4090-01-51. See the export note on source page 22.

RELATED ENTRIES

BCO40530se

4090-01-40

RADIO OPTIONS

Secure digital voice module with AES 256 encryption - SDV-256

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-01-40	TT4309A	Page 22

Adds the SDV-256 secure digital voice module specified in the catalogue.

SOFTWARE / OPTION

4090-01-40

TT4309A

Catalogue identification

ENCRYPTION DESIGNATION
AES 256

VOCODER RATES
600 / 1200 / 2400 bps

VOCODER CHOICE
TWELP / MELP, specified at order

SELECTION NOTES

For 4050, key-management software 4090-01-50 is required. The source states that an Australian Government export licence is required.

RELATED ENTRIES

- 4090-01-41
- 4090-04-10

RADIO OPTIONS

HF Encryption Interface F - FIPS 140-03 Level 3 AES256

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-04-10	DDN4211A	Page 22

An internal encryption interface identified by the manufacturer as Interface F.

SOFTWARE / OPTION

4090-04-10

DDN4211A

Catalogue identification

CATALOGUE DESIGNATION
FIPS 140-3 Level 3 / AES256

INSTALLATION
Internal hardware

REQUIRED ACCESSORY
GPS receiver

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

4090-01-40	BCA40512

KVL Adapter Cable for 4050

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BCA40512	DDN4324A	Page 23

Connects the 4050 radio to the Motorola KVL adapter cable for key loading.

SOFTWARE / OPTION

BCA40512

DDN4324A

Catalogue identification

RADIO

Barrett 4050 HF SDR

ASSOCIATED CABLE

Motorola TKN8531

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

4090-04-10 4090-01-51

RADIO OPTIONS

Key Management and Configuration Load software DES 56

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-51	DDN3610A	0.02 kg

Key-management and configuration software for the SDV-56 option.

SOFTWARE / OPTION

4090-01-51

DDN3610A

Catalogue identification

ENCRYPTION OPTION

4090-01-41 / TT4369A

INCLUDED SOFTWARE

BCUSB40521

CONNECTION

Interface pack required

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

- BCA40512
- 4090-01-50

RADIO OPTIONS

Key Management and Configuration Load software AES 256

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-50	DDN3612A	0.02 kg

Key-management and configuration software for the SDV-256 option.

SOFTWARE / OPTION

4090-01-50

DDN3612A

Catalogue identification

ENCRYPTION OPTION

4090-01-40 / TT4309A

INCLUDED SOFTWARE

BCUSB40520

CONNECTION

Interface pack required

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

- 4090-01-51
- BCO40508

RADIO OPTIONS

Wifi Adaptor

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCO40508	DDN3555A	0.01 kg

Provides a Wi-Fi connection for controlling a radio from supported mobile apps.



Manufacturer image

CLIENT PLATFORMS

iOS / Android

INCLUDED

Penguin Wi-Fi adapter

GUIDE

BCM40507

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

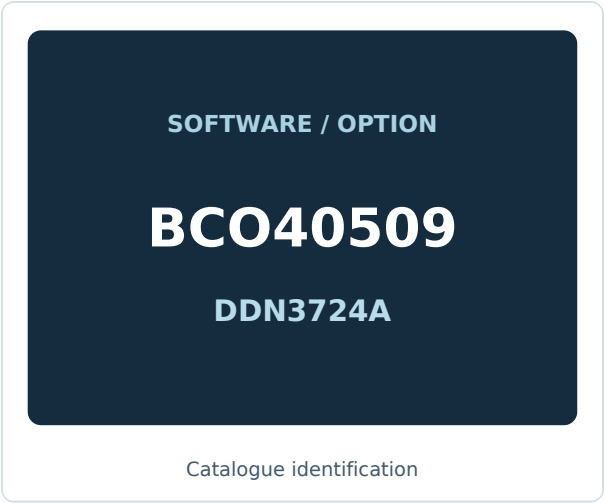
RELATED ENTRIES

4090-01-50 BCO40509

ARINC Selcall encoder

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BCO40509	DDN3724A	Page 23

Enables the radio to transmit aviation ARINC-format selective calls.



Catalogue identification

FUNCTION

ARINC selcall encoding

INSTALLATION

Internal option

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

BCO40508 BCO40516

RADIO OPTIONS

4000 Series HF Remote Control Software (Windows)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCO40516	DDN3543A	0.80 kg

Windows software and desktop audio accessories for remote radio operation.



Manufacturer image

OPERATING SYSTEM

Windows

INCLUDED

Software USB, desktop microphone and headphones

AUDIO PART NUMBERS

BCA40017 / BCA40018

SELECTION NOTES

The radio must have remote access enabled.

RELATED ENTRIES

BCO40509 | 4090-01-30

RADIO OPTIONS

4000 Series HF Programming Software

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-30	DDN3609A	0.02 kg

Programming software for the 4000 Series radio family.

SOFTWARE / OPTION

4090-01-30

DDN3609A

Catalogue identification

INCLUDED MEDIA

USB-40001

DOCUMENTATION

Operating manual on USB

CONNECTION

Interface pack required

SELECTION NOTES

Remote access is recommended in the source for remote configuration.

RELATED ENTRIES

BCO40516 BC407700

RADIO OPTIONS

4077 HF Map & Track

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC407700	TT4334A	0.02 kg

Software for displaying and tracking radio position reports.



Manufacturer product gallery

COMPATIBLE RADIOS

4050

INCLUDED

4077 software and BCM407700 manual

REQUIRED OPTIONS

GPS receiver and GPS Push

SELECTION NOTES

An interface pack is required.

RELATED ENTRIES

4090-01-30 | 4090-01-48

GPS Push

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-01-48	DDN3608A	Page 25

Allows 4050 and 4090 radios to send GPS reports automatically to a receiving application.

SOFTWARE / OPTION

4090-01-48

DDN3608A

Catalogue identification

PLATFORMS

4050 / 4090

EXAMPLE APPLICATION

4077 HF Map & Track

INSTALLATION

Internal option

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

BC407700 BCO40520

Encryption Interface Module E

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BCO40520	DDN4354A	Page 25

Provides a second audio path for integration with external encryption equipment.

SOFTWARE / OPTION

BCO40520

DDN4354A

Catalogue identification

INTERFACE

Separate red/black audio

INSTALLATION

Internal hardware

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

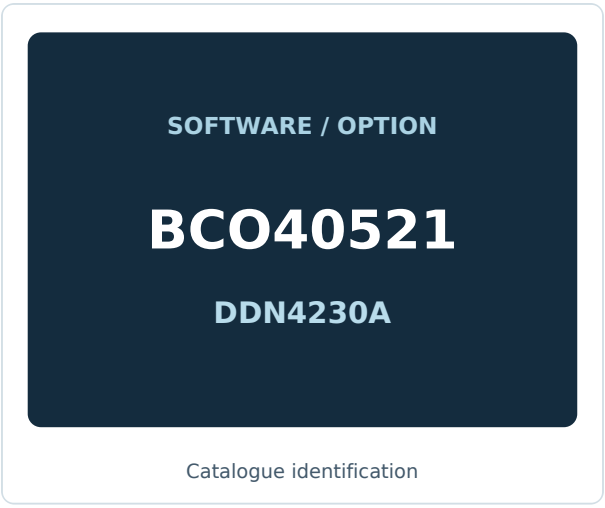
- 4090-01-48
- BCO40521

RADIO OPTIONS

External Independent Sideband Interface Module

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BCO40521	DDN4230A	Page 25

Adds a second audio interface for external equipment generating independent-sideband signals.



Catalogue identification

SIGNAL TYPE

Independent sideband (ISB)

INSTALLATION

Internal hardware

PRODUCT LINE

Radio options

Link establishment, voice options, remote control, programming and radio integration.

RELATED ENTRIES

BCO40520

PRODUCT LINE 03 OF 14

HF Data Transmission Options

Email, messaging, map-based applications and internal HF data modems.

SOFTWARE / OPTION

4090-04-66

TT4381A

Catalogue identification

4090-04-66



Manufacturer product gallery

4090-04-78

SOFTWARE / OPTION

4090-04-27

TT4380A

Catalogue identification

4090-04-27

IN THIS SECTION

7 ENTRIES

PAGES 041-047

HF DATA

RC-50B Strategic Email System

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-04-66	TT4381A	0.25 kg

An HF email application using STANAG 5066 ARQ and a compatible MIL-STD modem.

SOFTWARE / OPTION

4090-04-66

TT4381A

Catalogue identification

APPLICATION

Email through clients such as Outlook

PROTOCOL

STANAG 5066 ARQ

MODEM REQUIREMENT

MIL-STD-188-110B / 9600 bps

SOURCE CLARIFICATION

Source page 27 names 2G ALE but cites 4090-01-04, which page 20 identifies as 3G ALE. Confirm the intended ALE option before ordering. An interface pack and 3 kHz bandwidth setting are also specified.

RELATED ENTRIES

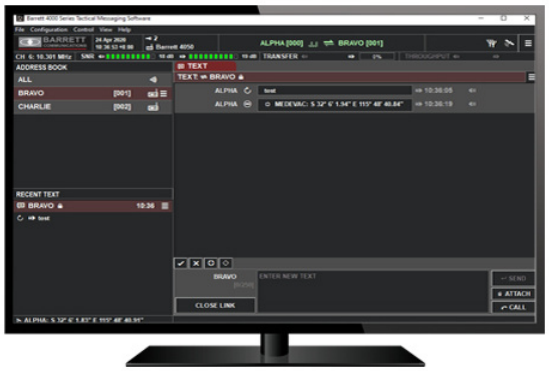
4090-04-38

HF DATA

4038 3G TAC Message Software (Win)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-04-38	TT4372A	0.25 kg

Windows messaging software for chat, file exchange and email over HF.



Manufacturer product gallery

TRANSPORT
STANAG 4538 packet data

REQUIRED MODEM
4090-04-04 / TT4357A

REQUIRED ALE
4090-01-04

SELECTION NOTES

An interface pack is required. Encryption options are listed separately in the source.

RELATED ENTRIES

4090-04-66 | 4090-04-78

HF DATA

4078 3G TAC Command Software (Win)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-04-78	DDN3695A	0.25 kg

A touch-oriented Windows application combining map-based awareness with messaging and file exchange.



Manufacturer product gallery

PLATFORM
Windows PC or tablet

REQUIRED MODEM
4090-04-04 / TT4357A

REQUIRED ALE
4090-01-04

SELECTION NOTES

The catalogue also lists an interface pack and separate encryption options.

RELATED ENTRIES

- 4090-04-38
- 4090-04-79

HF DATA

4079 3G TAC Command Centre (Win)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-04-79	TT4382A	0.25 kg

A command-centre software package providing tracking, a messaging gateway and configuration tools.



Manufacturer product gallery

PLATFORM
Windows

REQUIRED MODEM
4090-04-04 / TT4357A

REQUIRED ALE
4090-01-04

SELECTION NOTES

The included Ethernet cable is 4090-01-49 / DDN3561A. An interface pack and any encryption option must be selected.

RELATED ENTRIES

4090-04-78 | 4090-04-04

HF DATA

3G Packet Data Modem (9600bps)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-04-04	TT4357A	Page 29

An internally fitted 3G HF packet-data modem.

SOFTWARE / OPTION

4090-04-04

TT4357A

Catalogue identification

DATA RATE
9600 bps

FIT
Internal

REQUIRED ALE
4090-01-04 / TT4352A

PRODUCT LINE

HF data

Email, messaging, map-based applications and internal HF data modems.

RELATED ENTRIES

- 4090-04-79
- 4090-04-26

HF DATA

Internal Fit Data Modem with Mil 110A/B Waveform

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-04-26	TT4386A	0.20 kg

An internal HF data modem supplied with Barrett DataPoint interface software.

SOFTWARE / OPTION

4090-04-26

TT4386A

Catalogue identification

WAVEFORMS
MIL-STD-110A/B

DATA RATE
Up to 9600 bps

INTERFACE SOFTWARE
Barrett DataPoint 110A/B

SELECTION NOTES

Third-party HF communications software and an interface pack are required for the listed file/chat applications.

RELATED ENTRIES

- 4090-04-04
- 4090-04-27

HF DATA

Internal Fit Data Modem with Mil 110A/B/F ISB Waveform

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-04-27	TT4380A	0.20 kg

An internal HF data modem and DataPoint interface package with ISB capability.

SOFTWARE / OPTION

4090-04-27

TT4380A

Catalogue identification

WAVEFORMS

MIL-STD-110A/B/F ISB

DATA RATES

75-19200 bps

COMPATIBILITY

2G ALE and RC50-B software

SELECTION NOTES

Third-party HF communications software and an interface pack are required for the listed file/chat applications.

RELATED ENTRIES

4090-04-26

PRODUCT LINE 04 OF 14

Interface Packs

Connection packs for PCs, Ethernet, USB and serial interfaces.



Manufacturer image

4090-01-49



Manufacturer image

4090-01-32



Manufacturer image

BCA40019

IN THIS SECTION

4 ENTRIES

PAGES 049-052

INTERFACE PACKS

Interface Pack A

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-01-49	DDN3561A	Page 31

An Ethernet connection pack for IP-equipped 4050 radios or PRC-4090 base/mobile installations.



Manufacturer image

CONNECTION

RJ45 Ethernet

INCLUDED CABLE

2 m

PRODUCT LINE

Interface packs

Connection packs for PCs, Ethernet, USB and serial interfaces.

RELATED ENTRIES

4090-01-32

Interface Pack B

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-32	DDN3545A	0.08 (unit omitted)

A hotshoe-to-USB pack providing a PC connection for 4090 and PRC-4090 manpacks.



Manufacturer image

INCLUDED

PRC-4090 hotshoe-to-USB cable

PURPOSE

Serial connection to a PC

SOURCE CLARIFICATION

The source weight cell shows 0.08 without a unit. The same part appears with a kg value on source page 34.

RELATED ENTRIES

- 4090-01-49
- 4090-01-27

INTERFACE PACKS

Interface Pack C

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-27	DDN3552A	0.02 (unit omitted)

A USB interface pack for a 4090 or 4050 control handset.



Manufacturer image

INCLUDED INTERFACE

4090-01-27

CONNECTION

Handset USB

SOURCE CLARIFICATION

The source weight cell shows 0.02 without a unit. The related listing on page 33 gives a different weight.

RELATED ENTRIES

- 4090-01-32
- BCA40019

Interface Pack D

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BCA40019	DDN3595A	Page 31

A serial connection pack linking any listed 4050 variant to a PC.



Manufacturer image

INCLUDED CABLE

BCA90023, with 9/25-pin adapters

INCLUDED ADAPTER

BCA92318 USB-to-serial

PRODUCT LINE

Interface packs

Connection packs for PCs, Ethernet, USB and serial interfaces.

RELATED ENTRIES

4090-01-27

PRODUCT LINE 05 OF 14

Hardware Accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.



Manufacturer image

BCS40005



Manufacturer datasheet image

BCA40020



Manufacturer image

BCA409005

IN THIS SECTION

39 ENTRIES

PAGES 054-092

Barrett Commercial Catalogue BCPC4000/21 / source page 32

RADIO ACCESSORIES

Mobile pack for 4050 transceiver

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40501	DDN4040A	1.25 kg

Installation parts for a remotely controlled 4050 mobile radio with the main unit mounted in the vehicle.



Manufacturer image

MOUNTING PLATE
BCA40003 / DDN3774A

CONTROL-HEAD CABLE
BCA40005 / DDN3614A, 6 m

INSTALLATION KIT
BCA40004 / DDN3602A

SELECTION NOTES

Also includes control-head mounting adapter PW-33334.

RELATED ENTRIES

BCA40504

RADIO ACCESSORIES

4050 to Ethernet Adapter with USB Ports

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40504	DDN3689A	0.05 kg

Connects at the rear of a 4050 to provide an IP connection and USB ports.



Manufacturer image

RADIO CONNECTION

DB15

PLATFORM

4050

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40501 BCA40505

RADIO ACCESSORIES

USB to Ethernet Adapter

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40505	DDN4248A	0.02 kg

A USB adapter providing Ethernet connectivity for supported Barrett radios.



Manufacturer image

PLATFORMS

4050 / 4090

CONNECTION

USB to Ethernet

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40504 | 4090-01-27

RADIO ACCESSORIES

PRC-4090 Handset USB Interface

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-27	DDN3552A	0.01 kg

A hotshoe USB interface on the PRC-4090 control handset.



Manufacturer image

FUNCTIONS

Wi-Fi dongle connection and USB programming

MOUNT

Rear handset hotshoe

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40505 | 4090-01-31

RADIO ACCESSORIES

PRC-4090 Hotshoe to GPS/CW Cable

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-31	DDN3922A	0.06 kg

Connects the top hotshoe of the PRC-4090 to GPS or CW equipment.



Manufacturer image

CONNECTIONS

External 7-pin GPS or CW key

LENGTH

0.3 m

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-01-27 4090-01-32

RADIO ACCESSORIES

PRC-4090 Hotshoe to USB Cable

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-32	DDN3545A	0.08 kg

A cable linking the transceiver's top hotshoe to USB.



Manufacturer image

PLATFORMS

4090 / PRC-4090

LENGTH

1.5 m

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-01-31 | 4090-01-39

RADIO ACCESSORIES

3 Port Accessory Hub

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-39	DDN3735A	0.17 kg

A hotshoe hub combining accessory connections for the 4090.



Manufacturer image

PORTS

GPS / CW key / USB

LENGTH

60 cm

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-01-32 | 4090-01-24

GPS/ESU receiver

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-24	DDN3611A	0.15 kg

A combined GPS/ESU receiver and antenna with its connection cable.



Manufacturer image

INCLUDED CABLE

4 m

4090 ADAPTER

4090-01-31 / DDN3922A

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-01-39 | BCA40523

RADIO ACCESSORIES

GPS/ESU extender cable for 4050 - 8m

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40523	DDN3619A	0.15 kg

Extends the external GPS/ESU connection on a 4050 installation.



Manufacturer image

LENGTH

8 m

INCLUDED

Cable with bulkhead connector

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

- 4090-01-24
- BCS40005

RADIO ACCESSORIES

4050 Control Head

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCS40005	DDN3588A	0.6 kg

A secondary control head for the 4050 HF SDR transceiver.



Manufacturer image

PLATFORM

4050

USE

Additional radio control position

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40523 BCA40005

RADIO ACCESSORIES

Remote head interface cable for 4050 - 6m

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40005	DDN3614A	0.55 kg

A remote-head cable for separating the 4050 control head from its main unit.



Manufacturer image

LENGTH
6 m

PLATFORM
4050

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCS40005 | Variants below

Control Handset

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
Variants below	**See variants**	**0.26 kg**

A full-function control handset with a colour touch display.



Manufacturer datasheet image

RADIO CONTROL

Full radio functions

REQUIRED CABLE

4090-01-12 or BCA40502

AVAILABLE PART-NUMBER VARIANTS

ITEM	BARRETT P/N	MOTOROLA P/N
To suit 4050	**BCA40500**	**DDN3789A**
To suit 4090	**BCA409001**	**DDN3591A**

SELECTION NOTES

Choose the 4050 or 4090 handset part number from the variants table.

RADIO ACCESSORIES

4090 Control Handset Cable

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-12	DDN3767A	0.15 kg

Connects a 4090 control handset to its transceiver.



Manufacturer image

LENGTH
1.2 m

RADIO-SIDE FITTING
Screw-secured hotshoe

HANDSET CONNECTOR
ODU

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

Variants below | BCA40502

RADIO ACCESSORIES

4050 Control Handset Cable

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40502	DDN4097A	0.25 kg

Connects a 4050 control handset to the transceiver, with an inline speaker connection.



Manufacturer image

LENGTH IN THIS LISTING
6 m

RADIO CONNECTOR
DB15

HANDSET FITTING
Screw-secured hotshoe

SOURCE CLARIFICATION

Some package tables call BCA40502 a 5 m cable. Confirm the supplied length when specifying a package.

RELATED ENTRIES

4090-01-12 | 4090-01-13

RADIO ACCESSORIES

4090 Control Handset Extender Cable - 6.0 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-13	DDN3734A	0.25 kg

Extends the link between a 4090 control-handset cable and transceiver.



Manufacturer image

LENGTH

6 m

ASSOCIATED CABLE

4090-01-12 / DDN3767A

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40502 BCA40507

RADIO ACCESSORIES

Magnetic Car Mount

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40507	DDN4397A	0.05 kg

A magnetic control-handset mount for vehicle dashboards.



Manufacturer image

MOUNTING

Magnetic plate

USE

Vehicle installation

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-01-13 | 4090-05-01

RADIO ACCESSORIES

4090 Handset Cradle

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-05-01	DDN4388A	0.06 kg

A black cradle for the specified 4090/4050 control handsets.



Manufacturer image

HANDSETS

BCA409001 or BCA40500

COLOUR

Black

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40507 | 4090-05-02

RADIO ACCESSORIES

4090 Molle Mount

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-05-02	DDN4170A	0.06 kg

A MOLLE attachment for the rear of the control-handset cradle.



Manufacturer image

MOUNTING

Standard webbing

ATTACHMENT

Rear of handset cradle

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-05-01 4090-05-04

RADIO ACCESSORIES

4090 Handset Cradle with Molle Strap

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-05-04	DDN3765A	0.06 kg

A handset cradle and strap arrangement for webbing attachment.



Manufacturer image

MOUNTING

MOLLE / standard webbing

USE

Portable equipment carriage

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-05-02 | BCA40015

Loudspeaker

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40015	DDN3621A	0.30 kg

An extension speaker with a connector for the 4050 transceiver.



Manufacturer image

PLATFORM

4050

CONNECTION

Supplied connector

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

- 4090-05-04
- BCA40010

RADIO ACCESSORIES

Hand microphone and clip with channel up/ down buttons for 4050

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40010	DDN3620A	0.20 kg

A hand microphone with channel buttons, mounting clip and 4050 connection.



Manufacturer image

CONTROLS

Channel up/down

INCLUDED

Microphone and clip

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40015 BCA40020

RADIO ACCESSORIES

Desktop Console for 4050

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40020	TT4305A	1.6 kg

An operator console combining a 4050 control head, boom microphone and desktop interfaces.



Manufacturer datasheet image

INTERFACES

USB and Ethernet

PTT

Latching or non-latching

INCLUDED SUPPLY

BCA40021 / TT4621A

SELECTION NOTES

Includes BCM40020 manual and a selected regional mains cord. Direct radio connection uses separately ordered BCA40005.

RELATED ENTRIES

BCA40010 | 4090-01-38

RADIO ACCESSORIES

Lightweight tactical headset (under helmet)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-38	DDN3549A	0.28 kg

A lightweight headset intended for use beneath a helmet.



Manufacturer image

CONNECTOR
6-pin H250

PTT
Clip-on switch

COLOUR
Black

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40020 BCA40006

RADIO ACCESSORIES

DC power cable and connector for 4050

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40006	DDN3773A	1.50 kg

A DC lead for powering the 4050 transceiver.



Manufacturer image

LENGTH

6 m

CONNECTOR

DB15 combination

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

- 4090-01-38
- BCA40016

Power supply stacking cradle

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40016	**DDN3729A**	**0.30 kg**

A cradle for stacking a 4050 transceiver with a 4022 supply.



Manufacturer image

EQUIPMENT

4050 and 4022

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40006 **BCA40003**

RADIO ACCESSORIES

Universal mobile mounting plate for 4050

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40003	DDN3774A	0.50 kg

A mounting plate for installing a 4050 transceiver in a vehicle.



Manufacturer image

PLATFORM

4050

FORMAT

Universal mobile plate

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40016 | 4090-01-11

RADIO ACCESSORIES

Fan unit to suit 4050 and 4090 Transceiver

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-11	DDN3546A	0.08 kg

An automatic cooling fan for high-duty radio operation.



Manufacturer image

PLATFORMS
4050 / 4090

ACTIVATION TEMPERATURE
45 °C

COLOUR
Black

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40003 BCA40004

RADIO ACCESSORIES

Installation kit

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40004	DDN3602A	0.20 kg

A hardware kit for common radio installation tasks.



Manufacturer image

FASTENERS

Screws, ties, clips and drill attachment

ELECTRICAL ITEMS

Cable lugs, ATC holder and 25 A fuses

CONSUMABLES

Amalgamation and insulation tapes

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-01-11 BCA40008

Interference suppression kit

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40008	DDN3576A	0.45 kg

Components for reducing interference generated by vehicle electrical equipment.



Manufacturer image

SOURCES ADDRESSED

Alternators, small motors and ignition

INCLUDED

Suppressors, lugs, earth cable and clips

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40004 | 2090-01-07

RADIO ACCESSORIES

CW key - lightweight

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2090-01-07	DDN3737A	0.40 kg

A brass CW key with leg strap and a Barrett radio connection.



Manufacturer image

ACCESSORY

Lightweight CW key

4090 ADAPTER

4090-01-31 / DDN3922A

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA40008 BCA409005

RADIO ACCESSORIES

4090 Li-ion Battery Pack 16Ah

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA409005	TT4368A	2.50 kg

A lithium-ion pack for the 4090 transceiver.



Manufacturer image

CAPACITY
16 Ah

BATTERY CHEMISTRY
Li-ion

PLATFORM
4090

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

2090-01-07 4090-03-04

AC/DC Mains Adapter

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-03-04	DDN3762A	0.50 kg

An AC/DC mains charging adapter and selectable regional mains lead.



Manufacturer image

BATTERY REFERENCE

4090-03-05

MAINS CORD CHOICES

UK / Europe / Australia / USA

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA409005 | 4090-03-11

RADIO ACCESSORIES

External Battery Adapter

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-03-11	DDN4019A	0.01 kg

An adapter for connecting a PRC-4090 to a BB-series battery.



Manufacturer image

BATTERY FAMILY

BB series

REQUIRED CABLE

Battery-adapter cable

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

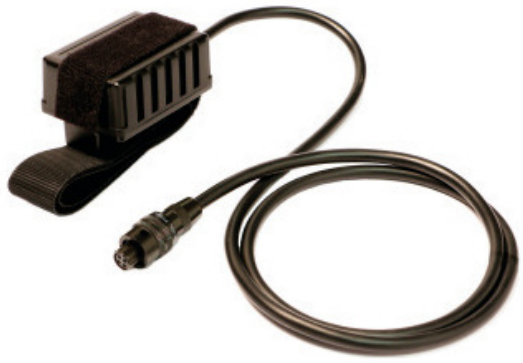
4090-03-04 | 4090-03-08

RADIO ACCESSORIES

Cable, Battery adapter to BB series battery

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-03-08	DDN4020A	0.06 kg

A cable between the external battery adapter and a BB-series battery.



Manufacturer image

BATTERY FAMILY

BB series

ASSOCIATED ADAPTER

4090-03-11

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-03-11 | 4090-01-37

RADIO ACCESSORIES

Day Pack - black

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-01-37	DDN4325A	1.0 kg

A carry pack for a 4090 manpack and field accessories.



Manufacturer image

STORAGE

Antenna, solar panel, GPS and small tablet

ADDITIONAL POUCH

Water bladder

EXTERNAL ATTACHMENT

MOLLE

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-03-08 BCA40506

Dual Port Antenna Switch Unit

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40506	DDN3564A	0.65 kg

A switching unit for connecting two antennas to a 4050 radio.



Manufacturer image

ANTENNA CONNECTIONS

2

INCLUDED CABLES

BCA90028 / 2065-00-06

GUIDE

BCM40506

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

4090-01-37 BC407100

RADIO ACCESSORIES

Multi coupler

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC407100	TT4539A	2 kg

A rack multicoupler allowing several receivers to share one antenna.



Manufacturer image

RF CONNECTIONS
1 input and 8 selectable outputs

FORMAT
1RU, 19-inch rack

EXPANSION
Daisy-chain capable

SELECTION NOTES
RF patch cables are separate. The source lists one BCA97503 per connected receiver.

RELATED ENTRIES

BCA40506 BCA97503

RADIO ACCESSORIES

RG58 Coaxial patch cable terminated with UHF (PL259) Connectors - 1.0m

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA97503	DDN4402A	0.10 kg

A coaxial patch lead for receiver and multicoupler connections.



Manufacturer image

CABLE
RG58

LENGTH
1 m

CONNECTORS
UHF / PL259 at both ends

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BC407100 BCA207642

PTT foot switch

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA207642	DDN3817A	0.25 kg

A foot-operated PTT switch for an operator console.



Manufacturer image

OPERATION

Press to talk

USE

Hands-free PTT activation

PRODUCT LINE

Radio accessories

Controls, audio, power, mounting and connection accessories for Barrett radio systems.

RELATED ENTRIES

BCA97503

PRODUCT LINE 06 OF 14

4022 Power supply and Accessories

Mains power and battery backup components for 4050 radio installations.



Manufacturer image

BC402201



Manufacturer image

BCA92203



Manufacturer image

BCA92208

IN THIS SECTION

4 ENTRIES

PAGES 094-097

4022 POWER

4022 Mains power supply 24V for 4050

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC402201	DDN3726A	4.60 kg

A mains supply providing 24 V DC and battery backup support for the 4050.



Manufacturer image

DC OUTPUT
24 V at 15.5 A

AC INPUT
100-240 V, 50-60 Hz, 500 W

BATTERY CHARGER
Built-in 5 A

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
IEC mains cord (UK, European, AUS or US style* Selected at point of order)	SA-00020	DDN4409A
Power cable - 4022 to 4050	SA-42020	DDN4337A
Speaker cable	SA-45010	DDN4412A

SELECTION NOTES

The unit includes a speaker and no-break battery backup facility.

4022 POWER

Battery backup cable 3 metres for 4022 Power supply

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA402201	DDN3562A	1.05 kg

A lead connecting an external battery to the 4022 backup input.



Manufacturer image

LENGTH

3 m

INCLUDED

Universal battery lugs

PRODUCT LINE

4022 power

Mains power and battery backup components for 4050 radio installations.

RELATED ENTRIES

BC402201 BCA92203

4022 POWER

100 Ah 12 V sealed solar block battery - (air-freightable)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA92203	DDN4400A	32 kg

A sealed battery listed for backup use with the 4022 power supply.



Manufacturer image

NOMINAL VOLTAGE
12 V

CAPACITY
100 Ah

CATALOGUE DESCRIPTION
Sealed solar-block battery

PRODUCT LINE

4022 power

Mains power and battery backup components for 4050 radio installations.

RELATED ENTRIES

BCA402201 BCA92208

4022 POWER

Cabling kit for paralleling batteries

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA92208	DDN4401A	0.35 kg

A heavy cable kit for joining backup batteries in parallel.



Manufacturer image

INCLUDED LEADS

2 heavy-duty cables with lugs

ADDITIONAL FITTINGS

2 battery lugs

PRODUCT LINE

4022 power

Mains power and battery backup components for 4050 radio installations.

RELATED ENTRIES

BCA92203

PRODUCT LINE 07 OF 14

Antennas, masts, whips and marine accessories

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.



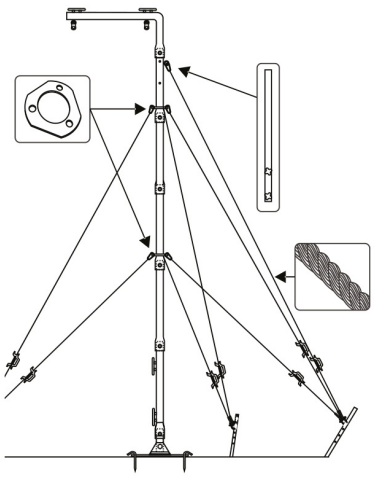
Manufacturer datasheet image

BC404901



Manufacturer product gallery

BC404701



Manufacturer drawing

2090-02-21

IN THIS SECTION

46 ENTRIES

PAGES 099-144

ANTENNAS AND MASTS

4049 Automatic tuning mobile HF antenna

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC404901	TT4331A	5.50 kg

A mobile HF tuning antenna package with whip, control cable and mounting spring.



Manufacturer datasheet image

FREQUENCY
1.5-30 MHz

TYPICAL TUNING
Less than 2 s

POSITIONING
Built-in GPS

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
Barrett 4049 Automatic tuning mobile HF antenna	BC404900	TT4979A
Control cable 6 m - integral coaxial/control with connectors to suit 4000 series	4019-00-02	DDN3810A
Fibreglass split whip top section and bottom section	2019-00-03	DDN4303A
Standard spring black	2019-00-04	DDN4318A

SELECTION NOTES

The source lists MIL-STD-810G environmental testing and immersion to 1 m for one hour.

ANTENNAS AND MASTS

419 Automatic tuning mobile HF antenna

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC41901	TT4837A	5.50 kg

A mobile HF tuning antenna with GPS and a two-piece whip assembly.



Manufacturer product gallery

FREQUENCY
1.5-30 MHz

TYPICAL TUNING
Less than 1.5 s

MEMORY TUNE
Less than 200 ms

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
Barrett 419 Automatic tuning mobile HF antenna	BC404900	TT4979A
Mil-STD Connector	CN-50069	DDN4405A
Fibreglass split whip top section and bottom section	2019-00-03	DDN4303A
Standard spring black	2019-00-04	DDN4318A

SELECTION NOTES

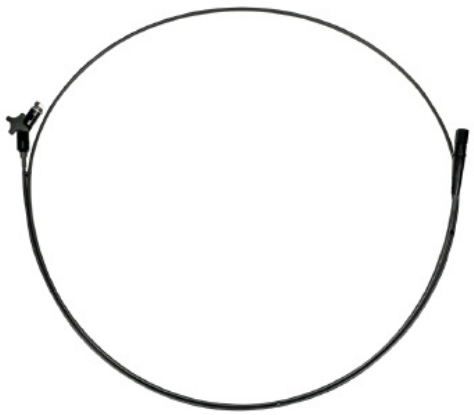
The source lists the coaxial/control cable separately. A 2050 installation needs the specified adapter unless a compatible existing cable is reused.

ANTENNAS AND MASTS

NVIS Whip

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2019-01-10	DDN3732A	1.0 kg

An NVIS whip intended to improve shorter-range HF performance with the 4049 mobile antenna.



Manufacturer image

USABLE NVIS RANGE
2-15 MHz

LENGTH
4,000 mm

INCLUDED MOUNT
2019-01-12 gutter bracket

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

BC41901 | 2019-01-11

NVIS Magnetic base

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2019-01-11	DDN3739A	0.40 kg

A magnetic mount securing the far end of the NVIS whip.



Manufacturer image

WHIP REFERENCE
2019-01-10

FEET
3 silicone-covered magnets

GUIDE
BCM201910

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

2019-01-10 | 2019-01-12

NVIS Gutter mount bracket

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2019-01-12	DDN4189A	0.16 kg

A vehicle gutter bracket for the NVIS whip.



Manufacturer image

USE

NVIS whip mounting

GUIDE

BCM201910

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

2019-01-11	BCA201906

Stainless steel whip

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA201906	DDN3615A	0.40 kg

A single-section stainless-steel whip for NVIS operation on the Barrett 2019 antenna.

PART IDENTIFICATION

BCA201906

DDN3615A

Catalogue identification

LENGTH

2,080 mm

MATERIAL

Stainless steel

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

2019-01-12 | 2019-00-03

ANTENNAS AND MASTS

Fibreglass split whip top section and bottom section

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2019-00-03	DDN4303A	0.55 kg

Replacement middle and upper whip sections in black.



Manufacturer image

LISTED LENGTH

1,610 mm

CONSTRUCTION

MIL-SPEC fibreglass sections

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

BCA201906 | 2019-00-04

Standard spring black

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2019-00-04	DDN4318A	0.70 kg

The standard black antenna spring listed for the mobile antenna assembly.



Manufacturer image

COMPONENT

Whip spring

COLOUR

Black

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

2019-00-03 BCA90033

ANTENNAS AND MASTS

Universal antenna mounting bracket

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA90033	DDN3575A	1.45 kg

A bracket for antenna mounting on a vehicle bull bar.



Manufacturer image

SOURCE COMPATIBILITY

4045 automatic tuning antenna

MOUNTING LOCATION

Bull bar

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

2019-00-04 | 4019-00-02

ANTENNAS AND MASTS

Control cable Antenna to transceiver - 6 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4019-00-02	DDN3810A	0.95 kg

A combined antenna control and coaxial lead for 4000 Series installations.



Manufacturer image

LENGTH

6 m

CONSTRUCTION

Composite control / RF cable

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

BCA90033 | 4019-00-05

ANTENNAS AND MASTS

Control cable Antenna to transceiver - 10 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4019-00-05	DDN3809A	3.75 kg

A combined antenna control and coaxial lead with compatible connectors.



Manufacturer image

LENGTH

10 m

EQUIPMENT

4000 Series products

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

4019-00-02 | 4019-00-07

ANTENNAS AND MASTS

Control cable Antenna to transceiver - 30 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4019-00-07	DDN3988A	3.75 kg

A combined antenna control and coaxial lead for longer cable routes.



Manufacturer image

LENGTH

30 m

EQUIPMENT

4000 Series products

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

4019-00-05 BCA201915

ANTENNAS AND MASTS

Control Cable to 2050 Transceiver Adaptor

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA201915	DDN4394A	0.2 kg

Adapts the specified antenna control cables for a 2050 transceiver.



Manufacturer image

RADIO

2050

CABLE REFERENCES

4019-00-02 / 4019-00-05 / 4019-00-07

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

4019-00-07	BCA401914

ANTENNAS AND MASTS

Antenna control cable extension adapter kit to suit interface cables

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA401914	DDN3936A	0.2 kg

Adapter fittings for extending an antenna control/RF cable connection.



Manufacturer image

CONTROL ADAPTER

7-way female/male MIL

COAXIAL ADAPTER

SO239 female/female

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

BCA201915 BC404701

ANTENNAS AND MASTS

4047 Automatic tuning horizontal dipole (2-30 MHz) - 150 W PEP

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC404701	DDN3731A	10 kg

A compact automatic-tuning horizontal dipole for fixed sites with limited antenna space.



Manufacturer product gallery

FREQUENCY / POWER
2-30 MHz / 150 W PEP

INSTALLED LENGTH
Up to 5.7 m

MOUNTING HEIGHT IN SOURCE
6-10 m

SELECTION NOTES
Includes a 30 m RF/control cable, 4017-01-01. GPS and ALE compatibility are listed.

RELATED ENTRIES

BCA401914 BC404501

ANTENNAS AND MASTS

4045 Automatic HF antenna tuner

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC404501	TT4314A	3.20 kg

An automatic HF antenna tuner for land, mobile and marine installations.



Manufacturer product gallery

FREQUENCY / POWER
1.5-30 MHz / 150 W PEP

MEMORY / INITIAL TUNE
Less than 100 ms / less than 1.5 s

INCLUDED CABLE
6 m extension control cable

SELECTION NOTES

The source lists GPS, ALE and frequency-hopping compatibility.

RELATED ENTRIES

BC404701 BC404502

ANTENNAS AND MASTS

Anti-Vibration Mounting for 4045

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC404502	DDN4022A	0.40 kg

A vibration-isolating mounting arrangement for the 4045 tuner.



Manufacturer image

TUNER

Barrett 4045

USE

Vehicles exposed to heavy shock

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

BC404501 BC41101

ANTENNAS AND MASTS

411 Automatic HF antenna tuner

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC41101	DDN3901A	2.10 kg

An automatic tuner for HF whips and long-wire antennas.



Manufacturer product gallery

FREQUENCY
1.5-30 MHz

CONSTRUCTION
Aluminium base

INCLUDED
1 MIL connector

SELECTION NOTES

The catalogue lists GPS and cables separately.

RELATED ENTRIES

BC404502 | 4090-02-06

Emergency long wire antenna

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-02-06	DDN3618A	0.40 kg

An emergency wire antenna with an adapter for the 4090 whip stud.



Manufacturer image

RADIO

4090 manpack

CONNECTION

Whip-stud adapter

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

BC41101 | 4090-02-09

ANTENNAS AND MASTS

Counterpoise earth kit - single-wire

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-02-09	DDN3761A	0.20 kg

A wire counterpoise kit for the 4090 manpack using whip antennas.



Manufacturer image

USE IN SOURCE

Whip operation below 3 MHz

INCLUDED

Winding hub, radial wire, peg and carry bag

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

4090-02-06 2090-02-03

ANTENNAS AND MASTS

Rapid deployment broadband dipole antenna - 150 W

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2090-02-03	DDN3551A	1.85 kg

A field dipole that can be deployed at full length or in a compact arrangement.



Manufacturer image

FREQUENCY / POWER

2-30 MHz / 150 W PEP

RADIATORS

Kevlar with UV-resistant Dacron cords

INCLUDED FEEDLINE

10 m RG58AU with BNC and UHF connectors

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

4090-02-09 | 2090-02-04

ANTENNAS AND MASTS

Portable mast

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2090-02-04	DDN3671A	5.20 kg

A sectional portable support for rapid-deployment dipole antennas.



Manufacturer image

MAST SECTIONS

7

INCLUDED

Guys, pegs, hammer and carry bag

SOURCE CLARIFICATION

This listing gives 5.20 kg. Source page 53 lists the same part number at 5.8 kg.

RELATED ENTRIES

2090-02-03 | 4090-02-10

ANTENNAS AND MASTS

Collapsible Whip 3m - for 4090

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-02-10	DDN3759A	0.20 kg

A collapsible whip accessory listed for the 4090 manpack.



Manufacturer image

NOMINAL LENGTH

3 m

FITTING IN SOURCE

Threaded-to-bayonet, adjustable angle

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

2090-02-04 4090-02-11

Gooseneck - for 4090

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
4090-02-11	DDN3760A	0.20 kg

An adjustable gooseneck connection between a whip and 4090 transceiver.



Manufacturer image

PLATFORM

4090

FITTING

Threaded-to-bayonet

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

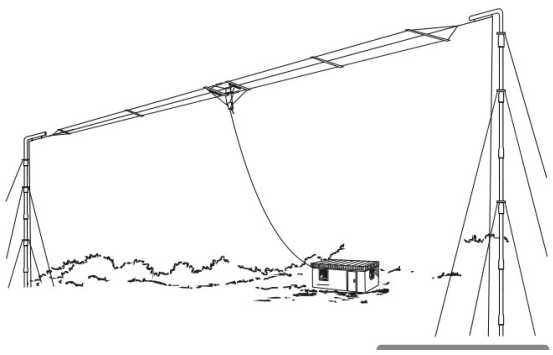
- 4090-02-10
- BC91200

ANTENNAS AND MASTS

912 Multi-wire broadband dipole (2 - 30 MHz) - 150 W PEP

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC91200	TT4348A	6 kg

A multi-wire HF broadband dipole with stainless radiators and fibreglass spreaders.



Manufacturer drawing

FREQUENCY / POWER
2-30 MHz / 150 W PEP

LENGTH
27 m

INCLUDED FEEDLINE
30 m RG58AU with UHF connectors

SELECTION NOTES

Masts shown in the manufacturer drawing are separate items.

RELATED ENTRIES

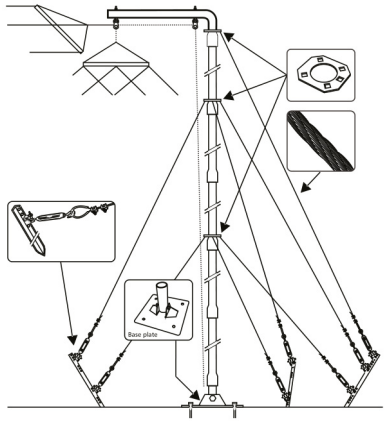
- 4090-02-11
- BC90206

ANTENNAS AND MASTS

10 Metre Mast - With Stainless steel Guys for Ground Mounting

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC90206	TT4340A	32 kg

A sectional aluminium mast with a ground-mount guy system.



Manufacturer drawing

HEIGHT
10 m

SECTIONS
5 × 2 m

PACKED DIMENSIONS
2,000 × 200 × 350 mm

SELECTION NOTES

The source lists a 120 km/h wind rating and compatibility with BC91200 and BC91202 antennas.

RELATED ENTRIES

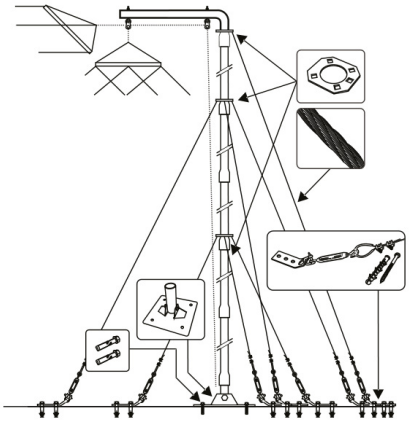
BC91200 BC90206FR

ANTENNAS AND MASTS

10 Metre Mast - With Stainless steel Guys for Flat Roof Mounting

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC90206FR	TT4339A	32 kg

A sectional aluminium mast with a flat-roof guy system.



Manufacturer drawing

HEIGHT
10 m

SECTIONS
5 × 2 m

PACKED DIMENSIONS
2,000 × 200 × 350 mm

SELECTION NOTES

The source lists a 120 km/h wind rating and compatibility with BC91200 and BC91202 antennas.

RELATED ENTRIES

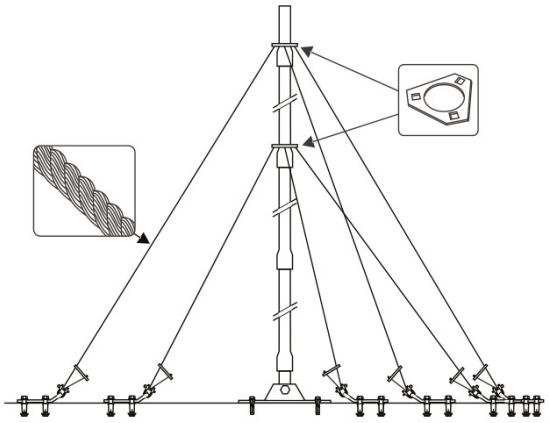
BC90206 | BC90209FR

ANTENNAS AND MASTS

6 Metre Mast - With Nylon Guys for Flat Roof Mounting

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC90209FR	DDN4392A	20 kg

A flat-roof aluminium mast kit with nylon guys.



Manufacturer drawing

HEIGHT
6 m

SECTIONS
3 × 2 m

COMPATIBLE ANTENNA
4047 / BC404701

SELECTION NOTES

Packed dimensions are 2,000 × 200 × 200 mm. The source lists a 120 km/h wind rating.

RELATED ENTRIES

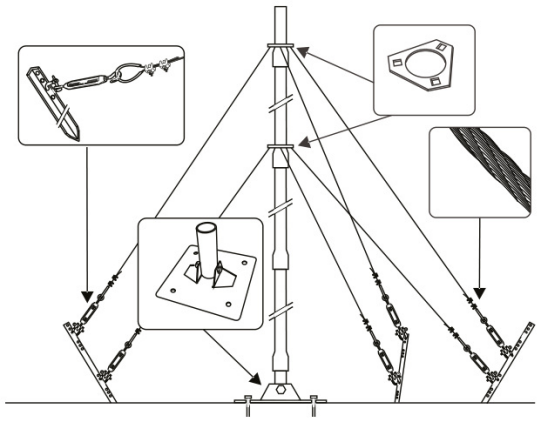
BC90206FR | BC90208

ANTENNAS AND MASTS

6 Metre Mast - With Stainless Steel Guys for Ground Mounting

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC90208	DDN4389A	24 kg

An aluminium mast kit with steel guys and ground-mount hardware.



Manufacturer drawing

HEIGHT
6 m

SECTIONS
3 × 2 m

COMPATIBLE ANTENNA
4047 / BC404701

SELECTION NOTES

Packed dimensions are 2,000 × 200 × 200 mm. The source lists a 120 km/h wind rating.

RELATED ENTRIES

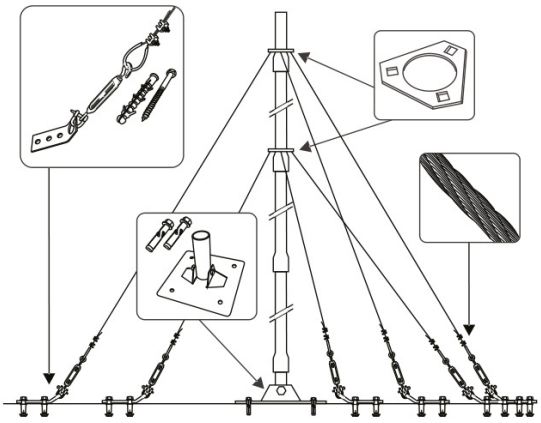
BC90209FR | BC90208FR

ANTENNAS AND MASTS

6 Metre Mast - With Stainless Steel Guys for Flat Roof Mounting

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC90208FR	DDN4390A	24 kg

An aluminium mast kit with steel guys and flat-roof fixings.



Manufacturer drawing

HEIGHT
6 m

SECTIONS
3 × 2 m

COMPATIBLE ANTENNA
4047 / BC404701

SELECTION NOTES

Packed dimensions are 2,000 × 200 × 200 mm. The source lists a 120 km/h wind rating.

RELATED ENTRIES

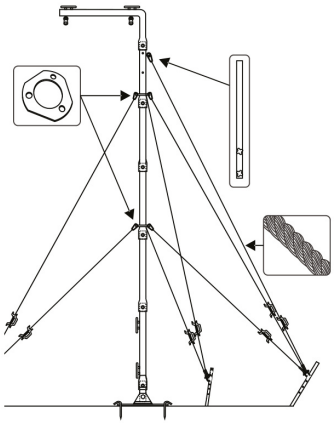
BC90208 | 2090-02-21

ANTENNAS AND MASTS

10 Metre Rapid Deployment Mast

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2090-02-21	TT4976A	24 kg

A transportable sectional mast with a pulley-equipped antenna mounting arm.



Manufacturer drawing

NOMINAL HEIGHT
10 m

OPTIONAL SUPPLIED EXTENSION
1 m, reaching 11 m

CONSTRUCTION
2.1 m aluminium sections

SELECTION NOTES

The catalogue lists compatible HF dipoles and 30-108 MHz VHF antennas.

RELATED ENTRIES

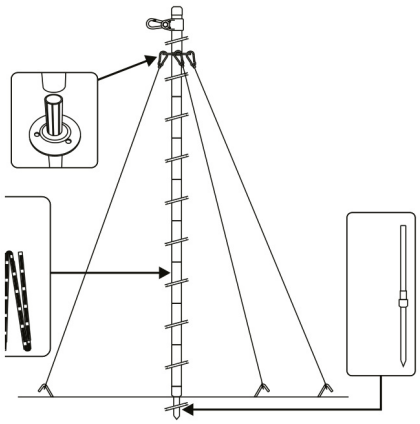
BC90208FR | 2090-02-04

ANTENNAS AND MASTS

5 Metre Rapid Deployment Mast

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2090-02-04	DDN3671A	5.8 kg

A portable sectional mast for temporary field installations.



Manufacturer drawing

NOMINAL HEIGHT
5 m

MATERIAL
25 mm aluminium tube

PACKED DIMENSIONS
720 × 220 × 130 mm

SOURCE CLARIFICATION

Source page 50 uses the same part number and MSI number but states a different weight.

RELATED ENTRIES

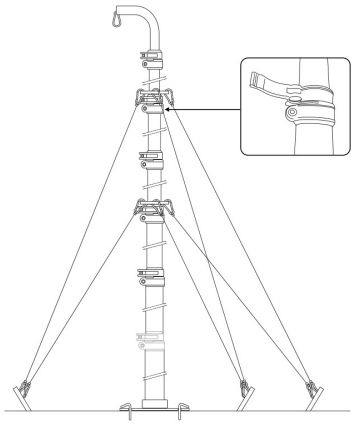
2090-02-21 | 2090-02-24

ANTENNAS AND MASTS

10 Metre Rapid Deployment Composite Mast

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2090-02-24	DDN3672A	8.6 kg

A seven-section telescoping composite mast supplied with guy ropes and a carry bag.



Manufacturer drawing

NOMINAL HEIGHT
10 m

RETRACTED HEIGHT
1,960 mm

MATERIAL / COLOUR
Composite tube / black

SELECTION NOTES

The source specifies very light loads on the thinnest top section and lists the antenna-raising halyard separately.

RELATED ENTRIES

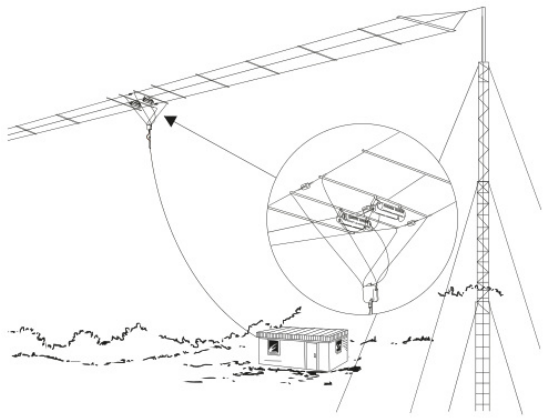
2090-02-04 BC91202

ANTENNAS AND MASTS

912 Multi-wire broadband dipole (2 - 30 MHz) - 500 W PEP

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC91202	TT4304A	25 kg

A stainless multi-wire HF broadband dipole with encapsulated baluns and loads.



Manufacturer drawing

FREQUENCY / POWER

2-30 MHz / 500 W PEP

LENGTH

27 m

INCLUDED FEEDLINE

30 m RG213 with UHF connectors

SELECTION NOTES

Masts in the manufacturer drawing are separate items.

RELATED ENTRIES

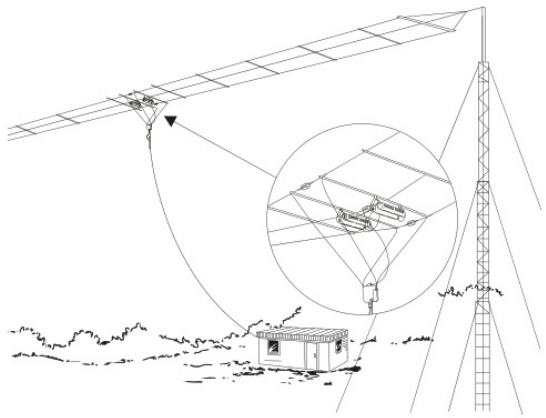
2090-02-24 BC91203

ANTENNAS AND MASTS

912 Multi-wire broadband dipole (3.6 - 30 MHz) - 1 kW continuous

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC91203	TT4351A	25 kg

A multi-wire broadband dipole configured for a 1 kW continuous rating.



Manufacturer drawing

FREQUENCY / POWER

3.6-30 MHz / 1 kW continuous

LENGTH

27 m

INCLUDED FEEDLINE

30 m RG213, UHF connectors and UHF/N adapter

SELECTION NOTES

Masts in the manufacturer drawing are separate items.

RELATED ENTRIES

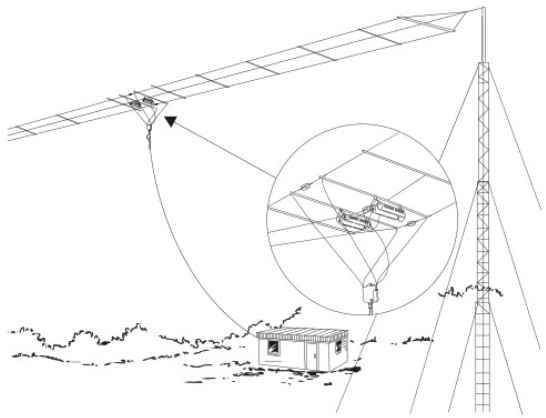
BC91202 BC91207

ANTENNAS AND MASTS

912 Multi-wire broadband dipole (2 - 30 MHz) - 1 kW continuous

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC91207	TT4329A	50 kg

A longer multi-wire broadband dipole configured for 1 kW continuous operation.



Manufacturer drawing

FREQUENCY / POWER

2-30 MHz / 1 kW continuous

LENGTH

54 m

INCLUDED FEEDLINE

30 m RG213, UHF connectors and UHF/N adapter

SELECTION NOTES

The source specifies lattice masts at least 15 m tall and does not recommend an inverted-V arrangement. Masts and ground catenary are separate.

RELATED ENTRIES

BC91203 BCA91201

ANTENNAS AND MASTS

Halyard and pulley kit - to suit 912 Broadband antennas

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA91201	DDN3600A	1.20 kg

Pulley and halyard components for raising 912 broadband wire antennas.



Manufacturer image

PULLEYS

2 stainless-steel units

HALYARD

100 m braided nylon

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

BC91207	2090-02-17

ANTENNAS AND MASTS

Offset bracket and pulley

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2090-02-17	DDN3924A	2.20 kg

An offset mounting bracket and pulley for an inverted-V wire-antenna arrangement.



Manufacturer image

COMPATIBLE SUPPORTS

902 towers or telescopic masts

PULLEY HALYARD SIZE

4 mm

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

BCA91201 BCA90047

ANTENNAS AND MASTS

30 metres Coaxial cable RG-58

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA90047	**DDN4398A**	**1.20 kg**

A ready-made RG58 coaxial feeder with UHF-type connectors.



Manufacturer image

LENGTH

30 m

CABLE TYPE

RG58

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

2090-02-17	**BCA90045**

ANTENNAS AND MASTS

Coaxial cable RG-213 (per metre)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA90045	DDN3540A	0.15 kg

RG213 coaxial feeder supplied by the metre.



Manufacturer image

CABLE TYPE
RG213

SUPPLY UNIT
1 m

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

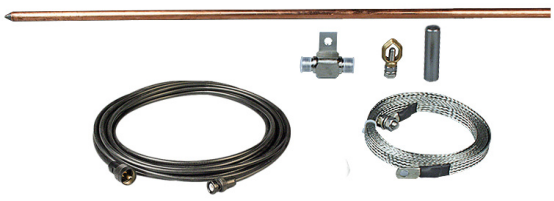
BCA90047 BCA90034

ANTENNAS AND MASTS

Lightning arrestor kit - up to 400 W

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA90034	DDN3559A	2.05 kg

A 400 W-rated lightning arrestor installation kit with feeder and earthing components.



Manufacturer image

ARRESTOR MODULE
PO-00020

RF CABLE
5 m RG58 with male PL259

EARTH BRAID
3 m

SELECTION NOTES
Includes a steel dolly, cable clamp and copper-plated earth rod.

RELATED ENTRIES

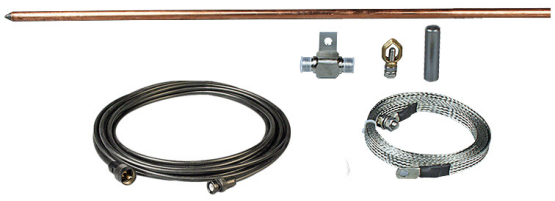
BCA90045 BCA207503

ANTENNAS AND MASTS

Lightning arrestor kit - up to 1 kW

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA207503	DDN3566A	2.45 kg

A 1 kW-rated lightning arrestor installation kit with feeder and earthing components.



Manufacturer image

ARRESTOR MODULE
PO-00024

RF CABLE
5 m RG213 with male PL259

EARTH BRAID
3 m

SELECTION NOTES
Includes a steel dolly, cable clamp and copper-plated earth rod.

RELATED ENTRIES

BCA90034 BC91710

ANTENNAS AND MASTS

3.6 metres Marine swingdown whip

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC91710	DDN3900A	2.0 kg

A marine whip with an adjustable stainless-steel swingdown base.



Manufacturer drawing

LENGTH
3.6 m

POWER RATING
250 W maximum

HF RANGE WITH SUITABLE ATU
2-30 MHz

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

BCA207503 BC91711

ANTENNAS AND MASTS

6 metres Two piece marine sidemounted whip antenna

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC91711	TT4614A	3.0 kg

A two-section marine whip supplied with side-mounting insulators.



Manufacturer drawing

LENGTH
6 m

POWER RATING
250 W maximum

HF RANGE WITH SUITABLE ATU
2-30 MHz

SELECTION NOTES

The source calls for a suitable ground plane.

RELATED ENTRIES

BC91710 BC91712

ANTENNAS AND MASTS

8.1 metres High efficiency marine sidemounted whip antenna

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC91712	DDN3987A	8 kg

A side-mounted marine whip with two mounting insulators.



Manufacturer drawing

LENGTH
8.1 m

POWER RATING
250 W maximum

HF RANGE WITH SUITABLE ATU
2-30 MHz

PRODUCT LINE

Antennas and masts

Automatic tuning antennas, wire dipoles, deployment masts, RF cables and marine whips.

RELATED ENTRIES

BC91711 BC91713

ANTENNAS AND MASTS

10 metres GMDSS Marine high power whip antenna 3-30 MHz (500W/1kW)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC91713	TT4303A	24 kg

A high-power GMDSS marine whip with a base mount and side feed.



Manufacturer drawing

LENGTH
10 m

TITLE RATING
3-30 MHz / 500 W or 1 kW

SPECIFIED TUNER
BC407508 / TT4302A

SOURCE CLARIFICATION

The source contains conflicting lower-frequency statements. Confirm the operating band and counterpoise with Barrett before specifying this antenna.

RELATED ENTRIES

BC91712

PRODUCT LINE 08 OF 14

Interoperability

The 2064 Radio Voice Bridge and its separately listed radio connection cables.



Manufacturer product gallery

2064-10-10

PART IDENTIFICATION

2064-10-11

DDN3584A

Catalogue identification

2064-10-11

PART IDENTIFICATION

2064-10-15

DDN3744A

Catalogue identification

2064-10-15

IN THIS SECTION

7 ENTRIES

PAGES 146-152

INTEROPERABILITY

2064 Radio Voice Bridge

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
2064-10-10	TT4306A	1.8 kg

A radio voice bridge connecting Barrett equipment with compatible third-party radios.



Manufacturer product gallery

INCLUDED HARDWARE

Voice bridge and H250 handset

RADIO CABLES

Selected at order

DOCUMENTATION

User manual

PRODUCT LINE

Interoperability

The 2064 Radio Voice Bridge and its separately listed radio connection cables.

RELATED ENTRIES

2064-10-11

INTEROPERABILITY

2064 to 25 way serial connector 4050 HF SDR Transceiver cable, 1m

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
2064-10-11	DDN3584A	Page 61

A 1 m voice-bridge cable for a 4050 transceiver's 25-way interface.

PART IDENTIFICATION

2064-10-11

DDN3584A

Catalogue identification

LENGTH

1 m

EQUIPMENT

2064 bridge to 4050

PRODUCT LINE

Interoperability

The 2064 Radio Voice Bridge and its separately listed radio connection cables.

RELATED ENTRIES

2064-10-10
2064-10-12

INTEROPERABILITY

2064 to H250 connector for PRC-2080+ VHF Handheld Transceiver and PRC-4090 HF SDR Transceiver, 1m

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
2064-10-12	DDN3742A	Page 61

A 1 m voice-bridge cable for the specified H250-equipped handheld or manpack radio.



Catalogue identification

LENGTH
1 m

EQUIPMENT
PRC-2080+ or PRC-4090

PRODUCT LINE

Interoperability

The 2064 Radio Voice Bridge and its separately listed radio connection cables.

RELATED ENTRIES

2064-10-11 | 2064-10-13

INTEROPERABILITY

2064 to unterminated cable for OEM radio, 1m

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
2064-10-13	DDN3585A	Page 61

A 1 m unterminated lead for integrating another radio with the 2064 bridge.

PART IDENTIFICATION

2064-10-13

DDN3585A

Catalogue identification

LENGTH

1 m

RADIO END

Unterminated

PRODUCT LINE

Interoperability

The 2064 Radio Voice Bridge and its separately listed radio connection cables.

RELATED ENTRIES

2064-10-12 | 2064-10-14

INTEROPERABILITY

2064 to 25 way serial connector 4050 HF SDR Transceiver cable, 5m

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
2064-10-14	DDN3743A	Page 61

A 5 m voice-bridge cable for a 4050 transceiver's 25-way interface.

PART IDENTIFICATION

2064-10-14

DDN3743A

Catalogue identification

LENGTH

5 m

EQUIPMENT

2064 bridge to 4050

PRODUCT LINE

Interoperability

The 2064 Radio Voice Bridge and its separately listed radio connection cables.

RELATED ENTRIES

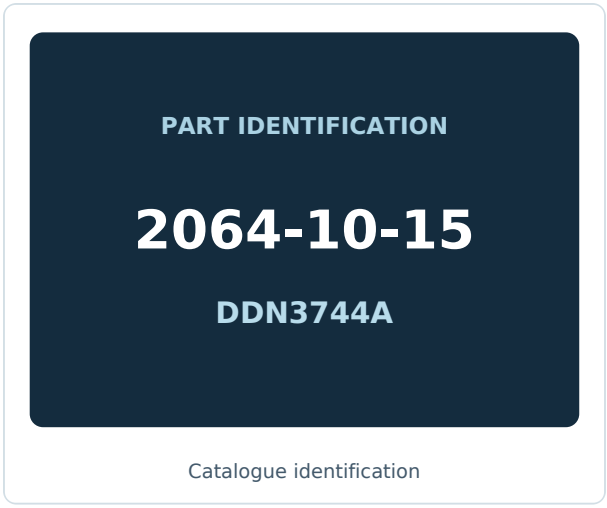
2064-10-13 | 2064-10-15

INTEROPERABILITY

2064 to H250 connector for PRC-2080+ VHF Handheld Transceiver and PRC-4090 HF SDR Transceiver, 5m

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
2064-10-15	DDN3744A	Page 61

A 5 m voice-bridge cable for the specified H250-equipped handheld or manpack radio.



Catalogue identification

LENGTH
5 m

EQUIPMENT
PRC-2080+ or PRC-4090

PRODUCT LINE

Interoperability

The 2064 Radio Voice Bridge and its separately listed radio connection cables.

RELATED ENTRIES

2064-10-14 | 2064-10-16

INTEROPERABILITY

2064 to unterminated cable for OEM radio, 5m

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
2064-10-16	DDN3745A	Page 61

A 5 m unterminated lead for integrating another radio with the 2064 bridge.

PART IDENTIFICATION

2064-10-16

DDN3745A

Catalogue identification

LENGTH

5 m

RADIO END

Unterminated

PRODUCT LINE

Interoperability

The 2064 Radio Voice Bridge and its separately listed radio connection cables.

RELATED ENTRIES

2064-10-15

PRODUCT LINE 09 OF 14

4075 High power HF transmitter

500 W and 1 kW transmitter packages in rack, transportable and no-rack formats.



Manufacturer image

BC407510



Manufacturer image

BC407511



Manufacturer product gallery

BC407515

IN THIS SECTION

8 ENTRIES

PAGES 154-161

4075 TRANSMITTERS

4075 HF High Power Transmitter Package 20 RU - 1kW

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC407510	TT4377A	172 kg

A 4075 HF transmitter package for fixed or transportable base-station applications.



Manufacturer image

POWER CONFIGURATION
1 kW

HOUSING
20U rack

CONTROL TRANSCEIVER
4050ip

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
20U desk mount rack	BCA407522	TT4317A
4050ip HF SDR Transceiver	BC405000ip	TT4449A
4022 Power Supply Unit 24 V	BC402201	DDN3726A
4075 Linear amplifier 1kW	BC407501	TT4315A
Fan unit to suit 4050	BCA40002	DDN3613A
4000 series Rack mount kit	BCA40007	DDN3563A
4075 Power Supply Unit 1kW	BC407503	TT4316A
AC Power distribution unit (power cable unterminated)	BCA407519	DDN4260A

SELECTION NOTES

The source specifies installation earthing and recommends RF-feeder lightning protection. The package contents below follow the commercial catalogue.

4075 TRANSMITTERS

4075 HF High Power Transmitter Package 20 RU - 500 W

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC407512	TT4597A	172 kg

A 4075 HF transmitter package for fixed or transportable base-station applications.



Manufacturer image

POWER CONFIGURATION
500 W

HOUSING
20U rack

CONTROL TRANSCEIVER
4050ip

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
20U desk mount rack	BCA407522	TT4317A
4050ip HF SDR Transceiver	BC405000ip	TT4449A
4022 Power Supply Unit 24 V	BC402201	DDN3726A
4075 Linear amplifier 500 W	BC407500	TT4327A
Fan unit to suit 4050	BCA40002	DDN3613A
4000 series Rack mount kit	BCA40007	DDN3563A
4075 Power Supply Unit	BC407502	TT4328A
AC Power distribution unit (power cable unterminated)	BCA407519	DDN4260A

SELECTION NOTES

The source specifies installation earthing and recommends RF-feeder lightning protection. The package contents below follow the commercial catalogue.

4075 TRANSMITTERS

4075 HF High Power Transmitter Package 39 RU - 1kW

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC407511	TT4645A	258 kg

A 4075 HF transmitter package for fixed or transportable base-station applications.



Manufacturer image

POWER CONFIGURATION
1 kW

HOUSING
39U rack

CONTROL TRANSCEIVER
4050ip

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
39U rack	BCA407523	DDN4350A
4050ip HF SDR Transceiver	BC405000ip	TT4449A
4022 Power Supply Unit 24V	BC402201	DDN3726A
4075 Linear amplifier 1kW	BC407501	TT4315A
Fan unit to suit 4050	BCA40002	DDN3613A
4000 series Rack mount kit	BCA40007	DDN3563A
4075 Power Supply Unit 1kW	BC407503	TT4316A
AC Power distribution unit (power cable unterminated)	BCA407519	DDN4260A

SELECTION NOTES

The source specifies installation earthing and recommends RF-feeder lightning protection. The package contents below follow the commercial catalogue.

4075 TRANSMITTERS

4075 HF High Power Transmitter Package 39 RU - 500 W

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BC407514	TT4960A	258 kg

A 4075 HF transmitter package for fixed or transportable base-station applications.



Manufacturer image

POWER CONFIGURATION
500 W

HOUSING
39U rack

CONTROL TRANSCEIVER
4050ip

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
39U rack	BCA407523	DDN4350A
4050ip HF SDR Transceiver	BC405000ip	TT4449A
4022 Power Supply Unit 24 V	BC402201	DDN3726A
4075 Linear amplifier 500 W	BC407500	TT4327A
Fan unit to suit 4050	BCA40002	DDN3613A
4000 series Rack mount kit	BCA40007	DDN3563A
4075 Power Supply Unit	BC407502	TT4328A
AC Power distribution unit (power cable unterminated)	BCA407519	DDN4260A

SELECTION NOTES

The source specifies installation earthing and recommends RF-feeder lightning protection. The package contents below follow the commercial catalogue.

4075 TRANSMITTERS

4075 HF High Power Transmitter Package No Rack - 1kW

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC407520	TT4439A	Page 67

A 4075 HF transmitter package for fixed or transportable base-station applications.



Manufacturer image

POWER CONFIGURATION
1 kW

HOUSING
No rack

CONTROL TRANSCEIVER
4050ip

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050ip HF SDR Transceiver	BC405000ip	TT4449A
4022 Power Supply Unit 24 V	BC402201	DDN3726A
4075 Linear amplifier 1kW	BC407501	TT4315A
Fan unit to suit 4050	BCA40002	DDN3613A
4000 series Rack mount kit	BCA40007	DDN3563A
4075 Power Supply Unit 1kW	BC407503	TT4316A
AC Power distribution unit (power cable unterminated)	BCA407519	DDN4260A

SELECTION NOTES

The source specifies installation earthing and recommends RF-feeder lightning protection. The package contents below follow the commercial catalogue.

4075 TRANSMITTERS

4075 HF High Power Transmitter Package No Rack - 500 W

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC407521	TT4438A	Page 68

A 4075 HF transmitter package for fixed or transportable base-station applications.



Manufacturer image

POWER CONFIGURATION
500 W

HOUSING
No rack

CONTROL TRANSCEIVER
4050ip

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
4050ip HF SDR Transceiver	BC405000ip	TT4449A
4022 Power Supply Unit 24 V	BC402201	DDN3726A
4075 Linear amplifier 500 W	BC407500	TT4327A
Fan unit to suit 4050	BCA40002	DDN3613A
4000 series Rack mount kit	BCA40007	DDN3563A
4075 Power Supply Unit	BC407502	TT4328A
AC Power distribution unit (power cable unterminated)	BCA407519	DDN4260A

SELECTION NOTES

The source specifies installation earthing and recommends RF-feeder lightning protection. The package contents below follow the commercial catalogue.

4075 TRANSMITTERS

4075 HF High Power Transmitter Package (transportable) 9RU Suprobox rack - 500 W

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC407515	TT4301A	Page 69

A 4075 HF transmitter package for fixed or transportable base-station applications.



Manufacturer product gallery

POWER CONFIGURATION
500 W

HOUSING
Transportable 9RU Suprobox

CONTROL TRANSCEIVER
4050ip

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
9RU Suprobox rack 9U48 Black	BCA407503	TT4831A
4050ip HF SDR Transceiver	BC405000ip	TT4449A
4022 Power Supply Unit 24 V	BC402201	DDN3726A
4075 Linear amplifier 500 W	BC407500	TT4327A
Fan unit to suit 4050	BCA40002	DDN3613A
4000 series Rack mount kit	BCA40007	DDN3563A
4075 Power Supply Unit 500 W	BC407502	TT4328A
AC Power distribution unit (power cable unterminated)	BCA407519	DDN4260A

SELECTION NOTES

The source specifies installation earthing and recommends RF-feeder lightning protection. The package contents below follow the commercial catalogue.

4075 TRANSMITTERS

4075 Wideband HF High Power Transmitter Package (transportable) 9RU Suprobox rack - 500 W

BARRETT PART NUMBER
BC407515wb

MOTOROLA PART NUMBER
TT4383A

SOURCE ENTRY
Page 70

A 4075 HF transmitter package for fixed or transportable base-station applications.



Manufacturer product gallery

POWER CONFIGURATION
500 W

HOUSING
Transportable 9RU Suprobox

CONTROL TRANSCEIVER
4050wb

PACKAGE CONTENTS

ITEM	BARRETT P/N	MOTOROLA P/N
9RU Suprobox rack 9U48 Black	**BCA407503**	**TT4831A**
4050wb HF SDR Transceiver	**BC405024wb**	**TT4494A**
4022 Power Supply Unit 24 V	**BC402201**	**DDN3726A**
4075 Linear amplifier 500 W	**BC407500**	**TT4327A**
Fan unit to suit 4050	**BCA40002**	**DDN3613A**
4000 series Rack mount kit	**BCA40007**	**DDN3563A**
4075 Power Supply Unit 500 W	**BC407502**	**TT4328A**
AC Power distribution unit (power cable unterminated)	**BCA407519**	**DDN4260A**
4050 to Ethernet Adapter with USB Ports	**BCA40504**	**DDN3689A**

SELECTION NOTES

The source specifies installation earthing and recommends RF-feeder lightning protection. The package contents below follow the commercial catalogue.

PRODUCT LINE 10 OF 14

High power ATU (Automatic tuning unit)

The 1 kW automatic tuning unit, its control and RF cable assemblies, and mounting accessories.



Manufacturer image

BC407508



Manufacturer image

BCA407535



Manufacturer image

BCA407552

IN THIS SECTION

12 ENTRIES

PAGES 163-174

HIGH-POWER ATU

1kW ATU (Automatic tuning unit)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BC407508	TT4302A	Page 72

A weather-enclosed 1 kW automatic tuner for compatible marine and land antenna systems.



Manufacturer image

RATED POWER
1 kW

FREQUENCY RANGE IN SOURCE
2-30 MHz

TYPICAL FIRST TUNE
10 s

SOURCE CLARIFICATION

Source page 72 gives contradictory long-wire length guidance. Confirm the intended antenna length with Barrett. A control cable and, for marine installations, an anti-vibration tray are required.

RELATED ENTRIES

BCA407535

Anti-Vibration Tray

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BCA407535	TT4436A	Page 72

A shock and vibration mounting tray for the high-power ATU.



Manufacturer image

ASSOCIATED TUNER

BC407508

SOURCE TEST REFERENCES

MIL-STD-810G / MIL-STD-167-1A

PRODUCT LINE

High-power ATU

The 1 kW automatic tuning unit, its control and RF cable assemblies, and mounting accessories.

RELATED ENTRIES

BC407508 | BCA407540

HIGH-POWER ATU

4075 1kW ATU Control Cable 30 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BCA407540	DDN4306A	Page 72

A control lead for the 4075 high-power antenna tuner.



Manufacturer image

LENGTH

30 m

FUNCTION

ATU control

PRODUCT LINE

High-power ATU

The 1 kW automatic tuning unit, its control and RF cable assemblies, and mounting accessories.

RELATED ENTRIES

BCA407535 BCA407541

HIGH-POWER ATU

4075 1kW ATU Control Cable 50 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BCA407541	DDN4413A	Page 72

A control lead for the 4075 high-power antenna tuner.



Manufacturer image

LENGTH

50 m

FUNCTION

ATU control

PRODUCT LINE

High-power ATU

The 1 kW automatic tuning unit, its control and RF cable assemblies, and mounting accessories.

RELATED ENTRIES

BCA407540 BCA407542

HIGH-POWER ATU

4075 1kW ATU Control Cable 100 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
BCA407542	DDN4088A	Page 72

A control lead for the 4075 high-power antenna tuner.



Manufacturer image

LENGTH

100 m

FUNCTION

ATU control

PRODUCT LINE

High-power ATU

The 1 kW automatic tuning unit, its control and RF cable assemblies, and mounting accessories.

RELATED ENTRIES

BCA407541 BCA407543

HIGH-POWER ATU

4075 1kW ATU Coaxial Cable RG213 30 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407543	DDN4216A	5.9 kg

A pre-terminated RG213 RF feeder for a transmitter-to-ATU connection.



Manufacturer image

LENGTH
30 m

CONNECTORS
N male at both ends

CATALOGUE LOSS VALUE
0.612 dB

SELECTION NOTES

The source lists 434 W from 500 W input and 868 W from 1 kW input. The test frequency is not stated.

RELATED ENTRIES

BCA407542 BCA407544

HIGH-POWER ATU

4075 1kW ATU Coaxial Cable RG213 - 50 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407544	DDN4217A	9.75 kg

A pre-terminated RG213 RF feeder in the 50 m configuration.



Manufacturer image

LENGTH
50 m

CONNECTORS
N male at both ends

CATALOGUE LOSS VALUE
1.260 dB

SELECTION NOTES

The source does not recommend RG213 at this length. Its output figures are 374 W / 748 W from 500 W / 1 kW input, with test frequency unstated.

RELATED ENTRIES

BCA407543 BCA407545

HIGH-POWER ATU

4075 1kW ATU Coaxial Cable RG213 - 100 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407545	TT4379A	19.5 kg

A pre-terminated RG213 RF feeder in the 100 m configuration.



Manufacturer image

LENGTH
100 m

CONNECTORS
N male at both ends

CATALOGUE LOSS VALUE
2.520 dB

SELECTION NOTES

The source does not recommend RG213 at this length. Its output figures are 280 W / 560 W from 500 W / 1 kW input, with test frequency unstated.

RELATED ENTRIES

BCA407544 BCA407552

HIGH-POWER ATU

Coaxial cable from transmitter to ATU (LMR 400) pre-terminated cable - 50 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407552	DDN3539A	5.2 kg

An LMR400 pre-terminated feeder for the transmitter-to-ATU path.



Manufacturer image

LENGTH
50 m

CONNECTORS
N male at both ends

CATALOGUE LOSS VALUE
0.771 dB

SELECTION NOTES

The listed output figures are 419 W / 837 W from 500 W / 1 kW input. The test frequency is not stated.

RELATED ENTRIES

BCA407545 BCA407553

HIGH-POWER ATU

Coaxial cable from transmitter to ATU (LMR 400) pre-terminated cable - 100 metres

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407553	DDN3921A	10.4 kg

An LMR400 pre-terminated feeder for a longer transmitter-to-ATU route.



Manufacturer image

LENGTH
100 m

CONNECTORS
N male at both ends

CATALOGUE LOSS VALUE
1.542 dB

SELECTION NOTES

The listed output figures are 351 W / 701 W from 500 W / 1 kW input. The test frequency is not stated.

RELATED ENTRIES

BCA407552 BCA407501

HIGH-POWER ATU

4050 to 4075 Linear Amplifier Control Interface Cable

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407501	DDN4090A	0.15 kg

A direct control interface lead between a 4050 radio and 4075 linear amplifier.



Manufacturer image

RADIO

4050 HF SDR

AMPLIFIER

4075

PRODUCT LINE

High-power ATU

The 1 kW automatic tuning unit, its control and RF cable assemblies, and mounting accessories.

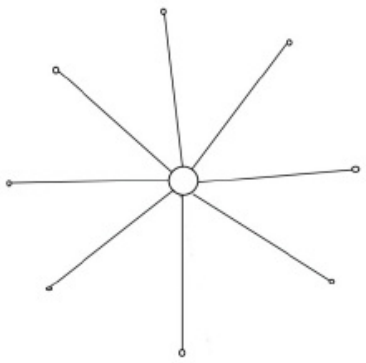
RELATED ENTRIES

BCA407553 BCA407550

Ground Counterpoise Kit

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407550	DDN3730A	5 kg

A counterpoise product listed for the high-power antenna system.



Manufacturer image

LISTED PRODUCT

Ground Counterpoise Kit

NET WEIGHT

5 kg

SOURCE CLARIFICATION

Source page 74 describes a portable 5 m mast under this heading. This conflicts with the title and illustration, so the supplied configuration needs confirmation.

RELATED ENTRIES

BCA407501

PRODUCT LINE 11 OF 14

Racking options and accessories

19-inch racks, trays, operator panels and blanking panels.



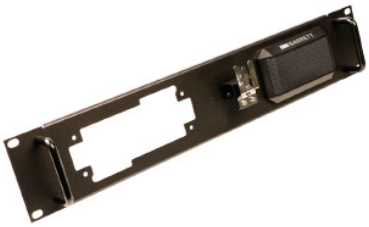
Manufacturer image

BCA407523



Manufacturer image

BCA40007



Manufacturer image

BCA407528

IN THIS SECTION

7 ENTRIES

PAGES 176-182

RACKS AND MOUNTING

39U floor mount 19" rack - colour black

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407523	DDN4350A	58 kg

A black floor-standing equipment rack with rear door and removable sides.



Manufacturer image

CAPACITY
39U

RACK WIDTH
19 inches

ACCESS
Rear door and removable panels

PRODUCT LINE

Racks and mounting

19-inch racks, trays, operator panels and blanking panels.

RELATED ENTRIES

BCA407522

RACKS AND MOUNTING

20U desk mount 19" rack - colour black

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407522	TT4317A	36.8 kg

A black equipment rack for floor or desk placement.



Manufacturer image

CAPACITY
20U

RACK WIDTH
19 inches

ACCESS
Rear door and removable panels

PRODUCT LINE

Racks and mounting

19-inch racks, trays, operator panels and blanking panels.

RELATED ENTRIES

BCA407523 BCA40007

RACKS AND MOUNTING

19" Standard rack mount kit for 4050/4022

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40007	DDN3563A	2 kg

A standard rack tray for a 4050 radio and 4022 power supply.



Manufacturer image

RACK WIDTH

19 inches

INCLUDED

Mounting screw kit

PRODUCT LINE

Racks and mounting

19-inch racks, trays, operator panels and blanking panels.

RELATED ENTRIES

BCA407522 BCA40031

RACKS AND MOUNTING

19" Rack mount kit for 4050/4050

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA40031	DDN4229A	2 kg

A rack tray for two 4050 radio units.



Manufacturer image

RACK WIDTH
19 inches

EQUIPMENT
4050 / 4050

INCLUDED
Mounting screw kit

PRODUCT LINE

Racks and mounting

19-inch racks, trays, operator panels and blanking panels.

RELATED ENTRIES

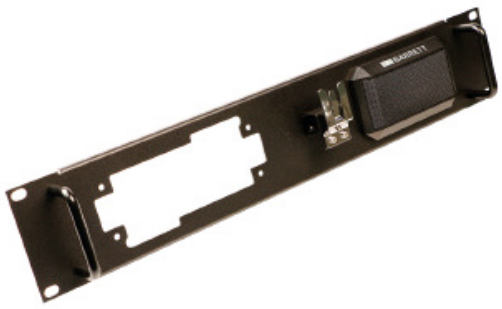
BCA40007 BCA407528

RACKS AND MOUNTING

19" Rack front panel with mic and speaker for 4050

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407528	DDN4339A	0.75 kg

A rack operator panel with microphone and speaker for remote control positions.



Manufacturer image

RACK WIDTH

19 inches

APPLICATIONS

Control centre or communications vehicle

REMOTE NETWORK USE

LAN with separate supply and special cable

PRODUCT LINE

Racks and mounting

19-inch racks, trays, operator panels and blanking panels.

RELATED ENTRIES

BCA40031 BCA207626

RACKS AND MOUNTING

1U 19" rack blanking panel - colour black

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA207626	DDN4395A	0.15 kg

A black powder-coated blanking panel supplied with fasteners.



Manufacturer image

HEIGHT
1U

RACK WIDTH
19 inches

PRODUCT LINE

Racks and mounting

19-inch racks, trays, operator panels and blanking panels.

RELATED ENTRIES

BCA407528 BCA207627

RACKS AND MOUNTING

2U 19" rack blanking panel - colour black

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA207627	DDN4396A	0.25 kg

A black powder-coated blanking panel supplied with fasteners.



Manufacturer image

HEIGHT
2U

RACK WIDTH
19 inches

PRODUCT LINE

Racks and mounting

19-inch racks, trays, operator panels and blanking panels.

RELATED ENTRIES

BCA207626

PRODUCT LINE 12 OF 14

Accessories

Lightning arrestor modules, replacement inserts and RF connectors.



Manufacturer image

Variants below



Manufacturer image

BCA90048



Manufacturer image

BCA407556

IN THIS SECTION

4 ENTRIES

PAGES 184-187

Lightning arrestor module

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
Variants below	See variants	0.1 kg

An inline lightning arrestor module with the power variants listed below.



Manufacturer image

TYPE

Inline RF protection

VARIANTS

400 W and 1 kW

AVAILABLE PART-NUMBER VARIANTS

ITEM	BARRETT P/N	MOTOROLA P/N
400W	PO-00020	DDN4406A
1kW	PO-00024	DDN4408A

RF ACCESSORIES

Lightning arrestor insert - 400 W

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
Variants below	See variants	0.01 kg

Replacement arrestor inserts in the listed power variants.



Manufacturer image

VARIANTS IN SOURCE TABLE

400 W and 1 kW

COMPONENT

Replaceable arrestor insert

AVAILABLE PART-NUMBER VARIANTS

ITEM	BARRETT P/N	MOTOROLA P/N
400W	PO-00021	DDN4407A
1kW	PO-00022	DDN4219A

SOURCE CLARIFICATION

The source heading says 400 W, while its table also lists a 1 kW insert.

RF ACCESSORIES

N-type Male connector (Crimp type for RG213)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA90048	DDN4399A	0.1 kg

A straight N-type male crimp connector for the specified coaxial cable sizes.



Manufacturer image

IMPEDANCE
50 ohm

CABLE TYPES
RG8 / RG213

TERMINATION
Crimp

PRODUCT LINE

RF accessories

Lightning arrestor modules, replacement inserts and RF connectors.

RELATED ENTRIES

Variants below | BCA407556

RF ACCESSORIES

UHF (PL259) Male connector (Crimp type for RG213)

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCA407556	DDN3994A	0.1 kg

A straight UHF/PL259 male crimp connector for RG213 feeder cable.



Manufacturer image

CABLE TYPE
RG213

TERMINATION
Crimp

PRODUCT LINE

RF accessories

Lightning arrestor modules, replacement inserts and RF connectors.

RELATED ENTRIES

BCA90048

PRODUCT LINE 13 OF 14

Training packages

Enquiries about manufacturer training packages through a local sales representative.

SERVICE ENQUIRY

Enquiries

Catalogue identification

Enquiries

IN THIS SECTION

1 ENTRY

PAGES 189-189

Training packages

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
Enquiries	Enquire	Page 81

Enquire about Barrett training packages through D-Corp Invest.



Catalogue identification

SOURCE GUIDANCE

Contact a local sales representative

ENQUIRY CHANNEL

WhatsApp or showroom visit

PRODUCT LINE

Training

Enquiries about manufacturer training packages through a local sales representative.

D-CORP INVEST

+222 34 34 76 76

PRODUCT LINE 14 OF 14

Spare kits

Replacement boards, component kits, control heads and power-supply modules.

SPARE PART

BCS40001

DDN3586A

Catalogue identification

BCS40001



Manufacturer image

BCS40005

SPARE PART

BCS40009

DDN3590A

Catalogue identification

BCS40009

IN THIS SECTION

9 ENTRIES

PAGES 191-199

Barrett Commercial Catalogue BCPC4000/21 / source page 82

SDR Micro complete

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCS40001	DDN3586A	0.6 kg

A complete SDR micro board listed for the 4050 and 4090 transceivers.



Catalogue identification

PLATFORMS

4050 / 4090

ASSEMBLY

Complete micro board

PRODUCT LINE

Spare kits

Replacement boards, component kits, control heads and power-supply modules.

RELATED ENTRIES

BCS40003

SPARE KITS

4050 SDR PA complete on chassis

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCS40003	TT4336A	1.50 kg

A 4050 PA assembly supplied on its chassis and top-cover heat sink.



Catalogue identification

PLATFORM

4050

ASSEMBLY

PA with chassis / heat sink

PRODUCT LINE

Spare kits

Replacement boards, component kits, control heads and power-supply modules.

RELATED ENTRIES

BCS40001 BCS40004

SPARE KITS

4050 Transceiver component spares kit

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCS40004	DDN3587A	0.6 kg

Discrete component spares for a single 4050 transceiver.



Catalogue identification

PLANNING BASIS IN SOURCE

One radio over five years

KIT TYPE

Component spares

PRODUCT LINE

Spare kits

Replacement boards, component kits, control heads and power-supply modules.

RELATED ENTRIES

BCS40003 BCS40005

SPARE KITS

4050 Control Head complete

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCS40005	DDN3588A	0.6 kg

A complete replacement 4050 control-head assembly.



Manufacturer image

PLATFORM

4050

ASSEMBLY

Complete control head

PRODUCT LINE

Spare kits

Replacement boards, component kits, control heads and power-supply modules.

RELATED ENTRIES

BCS40004 | 4090-60-03

4090 Interface Board PCB

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-60-03	TT4812A	Page 83

A complete interface-board PCB for the 4090.

SPARE PART

4090-60-03

TT4812A

Catalogue identification

PLATFORM

4090

ASSEMBLY

Interface board

PRODUCT LINE

Spare kits

Replacement boards, component kits, control heads and power-supply modules.

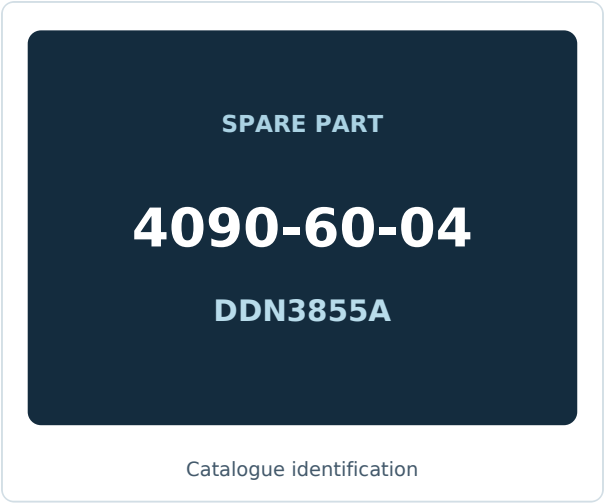
RELATED ENTRIES

- BCS40005
- 4090-60-04

4090 ATU Board PCB

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-60-04	DDN3855A	Page 83

A complete ATU-board PCB for the 4090.



Catalogue identification

PLATFORM
4090

ASSEMBLY
ATU board

PRODUCT LINE

Spare kits

Replacement boards, component kits, control heads and power-supply modules.

RELATED ENTRIES

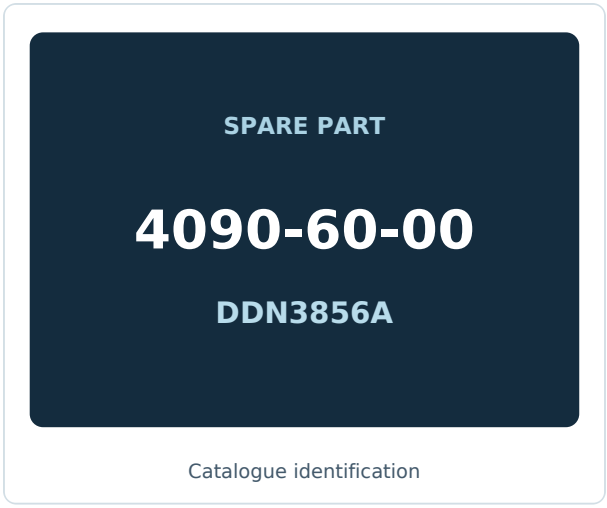
- 4090-60-03
- 4090-60-00

SPARE KITS

4090 Transceiver component spares kit

BARRETT PART NUMBER	MOTOROLA PART NUMBER	SOURCE ENTRY
4090-60-00	DDN3856A	Page 83

Discrete component spares for a single 4090 transceiver.



Catalogue identification

PLANNING BASIS IN SOURCE

One radio over five years

KIT TYPE

Component spares

PRODUCT LINE

Spare kits

Replacement boards, component kits, control heads and power-supply modules.

RELATED ENTRIES

- 4090-60-04
- BCS40008

4022 Interface boards

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCS40008	DDN3589A	0.6 kg

The 4022 LED PCB and main control-board set.



Catalogue identification

PLATFORM

4022 power supply

ASSEMBLY

LED and main control boards

PRODUCT LINE

Spare kits

Replacement boards, component kits, control heads and power-supply modules.

RELATED ENTRIES

- 4090-60-00
- BCS40009

SPARE KITS

4022 Power supply main module - 24 V

BARRETT PART NUMBER	MOTOROLA PART NUMBER	NET WEIGHT IN SOURCE
BCS40009	DDN3590A	0.6 kg

The 24 V main switch-mode module for a 4022 power supply.



Catalogue identification

PLATFORM
4022

MODULE
24 V switch-mode supply

PRODUCT LINE

Spare kits

Replacement boards, component kits, control heads and power-supply modules.

RELATED ENTRIES

BCS40008

BARRETT ENQUIRIES / NOUAKCHOTT

D-Corp Invest

Product selection, part-number enquiries and project support.



SHOWROOM

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SOURCE CATALOGUE

Barrett Communications Commercial Catalogue, BCPC4000/21, supplied through Motorola Solutions. Product and option descriptions have been condensed for this D-Corp Invest edition.