Royal Communications International, Inc.

Barrett 4050 RDP – BC405051
Rapid Deployment Package – 150 Watt HF/SSB

BARRETT a Motorola Solutions Company



Mission-ready HF/SSB for Emergency Operations — Deploy full 150 W HF capability in minutes.

OVERVIEW

The Barrett 4050 Rapid Deployment Package (RDP) delivers a complete HF/SSB station in an easily deployed rugged case for Emergency Operations Centers. It combines the Barrett 4050 HF SDR transceiver with integrated power supply, optional battery with charger, and cooling, to keep EOCs connected when conventional infrastructure fails.

BUILT FOR EMERGENCY OPERATIONS

- Provides an independent HF/SSB link when other systems are degraded.
- Ideal for state and local EOCs and public safety dispatch backups.
- Supports interagency coordination and wide-area disaster communications.

KEY FEATURES

- 150 W PEP HF/SSB output using 110/220AC or optional internal LiFePO4 battery.
- SDR-based Barrett 4050 transceiver with removable color touchscreen display.
- Broadband HF coverage, 1.5–30 MHz, for voice, data, and ALE calling.
- Self-contained transit case with extendable handle and wheels, with mounted radio, cabling, cooling, and AC/DC power.
- Rapid setup — connect antenna, power, and mic to be on-air in minutes.
- Built to meet MIL-STD-810G rugged environmental standards.

Royal Communications International, Inc. — HF/SSB Systems Experts
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Barrett 4050 HF SDR Control Head

BARRETT 4050 HF SDR HIGHLIGHTS

- Modern SDR architecture with digital signal processing for clear, low-noise HF communications.
- Color TFT display with icon-driven menu and soft keys for rapid operator training.
- Multiple operating modes: USB, LSB, AME, CW, data.
- 100% duty cycle for extended operations.

RAPID DEPLOYMENT PACKAGE OPTIONS

- 4045 Automatic Antenna Tuner – stowed in kit
- Extended-Range Antenna Kit – adds NVIS and long-wire antennas for regional coverage.
- 4050 Control Handset – adds additional handset to control radio
- 4050 Desktop Console – built in speaker and detachable boom mic, with foot switch support

WEATHERPROOF SIDE ACCESS PANEL



BARRETT 4050 HF SDR SPECIFICATIONS

Parameter	Specification
Frequency Range	1.5–30 MHz Continuous Coverage
RF Output Power	150 W PEP
Receiver Architecture	SDR (Software Defined Radio)
Operating Modes	USB, LSB, AME, CW, Data
Display	4.3" Color TFT Touchscreen
DSP	Advanced Digital Signal Processing
ALE	MIL-STD-188-141 Compatible
Interfaces	USB, Ethernet, Data
Supply Voltage	110/220VAC or optional 12V internal LiFePO4 battery
Duty Cycle	100% Data (with cooling fan)
Environmental	MIL-STD-810G
Applications	Voice, Data, ALE, Emergency Communications
Options Included	Free Scroll TX, Cooling Fan
Part Number	BC405051

CONTACT & ORDERING

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