

# BC250D

Compact and Durable Digital Two-Way Radio

## Advanced Features, Including Powerful Speaker and Digital / Analog Interoperability.

### Superior Features:

- Excellent audio quality with a powerful 1W speaker (similar radios use 500 mW speaker)
- 16 UHF channels
- Up to 4 watts of power and 400-470 MHz frequency
- Powerful 1W speaker improves audio quality
- Seamless migration to digital allows users to scan between analog and digital channels
- 4 programmable buttons
- IP54 rating
- VOX capability
- Channel Announcement
- Emergency Alert
- Size, weight: 5.34 x 2.36 x 1.53 inches; 12.20 oz.
- One-Year warranty\*

### Digital Functionality:

- All / Group / Private Call Capabilities
- Radio Check
- Remote Monitor (receive only)
- Radio Enable and Disable (receive only)
- Mixed Mode Scan
- Direct Mode

### Advanced Features. Premier Performance. Excellent Value!

With digital performance advantages, the BC250D delivers excellent audio clarity and outstanding operating features at an affordable price. The BC250D allows a seamless migration to digital because Mixed Mode scan allows scanning between analog and digital channels. In addition, Direct Mode enables two communication paths on a single frequency effectively doubling your call capacity without the need for a repeater.

Improve Emergency & Disaster Preparedness



Enhance Guest Services



**Affordable Price**  
**\$279**

**MOTOROLA SOLUTIONS**  
Radio Solutions Channel Partner

**EXTENDED WARRANTY**  
BEARCOM



Boost Safety & Security



Increase Maintenance Efficiency

### \*SPECIAL OFFER FROM BEARCOM!

Extended Warranty available from BearCom at discounted pricing.

- 1 Year of Extended Warranty available for \$39 at Point-of-Sale (\$59 after POS)
- 2 Years of Extended Warranty available for \$59 at Point-of-Sale (\$79 after POS)

# Specifications BC250D



## The BC250D – Ideal For:

- Schools and Campuses
- Hospitality
- Construction
- Manufacturing
- Facility Management
- And, more

## What's in the box?

FNB-V143LI – 2300 mAh Li-Ion Battery; CD-67 Charging Cradle; PA-60B Power Supply (US); Stubby Antenna 450-470 MHz/3.5"; CLIP-28 – Belt Clip, Dust Cover.

General Specifications	
Number of Channels	16
Output Power	1/4W UHF
Programmable Buttons	4
Frequency Range / Band	400-470 MHz / UHF-R1
Dimensions (HxWxD)	5.34 x 2.36 x 1.53 inches [with FNB-V143LI Battery]
Weight Approx.	12.20 oz. [with FNB-V143LI Battery, Antenna, Belt Clip]
Battery Life [5-5-90 duty with battery saver]	Analog: 16 hours / Digital: 18 hours
Channel Spacing	25 / 12.5 kHz
IP Rating	IP54
Power Supply Voltage	7.4 V DC +- 10%
Speaker Power	1W
Operating Temperature Range	-25C to 60C / -13F to 140F
Frequency Stability	+/- 1.5 ppm
RF Input -- Output Impedance	50 ohms
Accessory Connector	2 pin
Receiver Specifications	
Measured by TIA / EIA 603	
Circuit Type	Direct Conversion
Sensitivity	Analog 12 dB SINAD: 0.25 uV / Digital 1% BER: 0.28 uV
Adjacent Channel Selectivity	TIA603: 65/55 dB (25 kHz / 12.5 kHz)
Intermodulation	60/55 dB (25 kHz / 12.5 kHz)
Spurious Image Rejection	70 dB
Hum and Noise	45 / 40 dB (25 kHz / 12.5 kHz)
Audio Output (5% THD)	1000mW @ 16 ohms (Internal) / 200mW @ 32 ohms (External)
Audio Distortion	< 5%
Conducted Spurious Emission	-57 dBm
Transmitter Specifications	
Measured by TIA / EIA 603	
Modulation Limiting	+/- 5.0 kHz (25 kHz) / +/- 2.5 kHz (12.5 kHz)
Conducted Spurious Emission	-- 36dB (< 1 GHz), -- 30 dB (>1 GHz)
FM Hum and Noise	45 / 40 dB (25 kHz / 12.5 kHz)
Audio Distortion (@1 kHz)	< 5%
Analog FM Modulation	16K0F3E (25 kHz) / 11K0F3E (12.5 kHz)
4FSK Digital Modulation	12.5 kHz Data: 7K60F10 and 7K60FXD / 12.5 kHz Voice: 7K60F1E and 7K60FXE 12.5 kHz Data and Voice: 7K60F1W
Digital Vocoder Type	AMBE + 2 TM
Digital Protocol	ETSI TS102 361-- 1, -- 2, -- 3

All specifications are subject to change without notice or obligation.



- For sales call 800.527.1670
- For service or repairs call 800.449.5695
- Or, visit [www.BearCom.com](http://www.BearCom.com)

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