

BC300D Digital Two-Way Radio

Reliable, Easy-to-Operate, Highly Affordable

Manufactured exclusively for BearCom, North America's leading distributor and integrator of two-way radios. This feature-rich, highly affordable communication device is engineered with the latest digital (DMR) technology from Motorola Solutions.

The BC300D operates in digital mode for added clarity and functionality, or it can be programmed to use with analog radios as part of a digital migration strategy.

Excellent audio clarity and outstanding operating features:

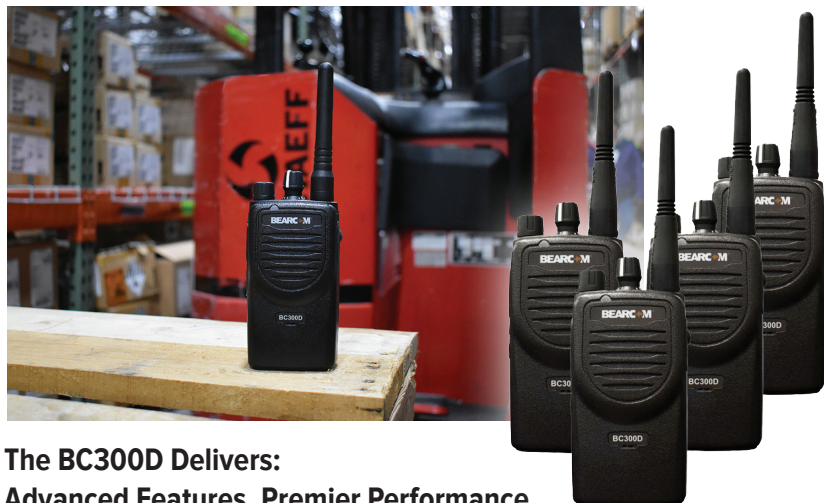
- Durable 500 mW speaker
- 16 UHF channels
- Up to 4 watts of power
- Battery life of 10 hours
- IP54 rating for dust and water resistance
- Size/Weight: 4.96 x 2.28 x 1.46 inches / 10.93 ounces
- One-Year Warranty (Two-Year Extended Warranty available from BearCom*)
- Accessories interchangeable with BearCom BC130

BC300D advanced features:

- 2 programmable buttons
- All Call/Group Call/Private Call capabilities that are programmable
- Radio Check
- Voice Announcement
- Allow Interrupt capable (digital only)
- Mixed Mode Channel Scan
- Remote Monitor and Radio Enable/Disable (receive only)
- Can Be Used to Lock/Unlock Doors and Gates from distance



 **MOTOROLA SOLUTIONS**
PLATINUM CHANNEL PARTNER



**The BC300D Delivers:
Advanced Features. Premier Performance.
Outstanding Value!**

*SPECIAL OFFER FROM BEARCOM!

The BC300D comes with a One-Year Warranty – Two-Year Extended Warranty available from BearCom at discounted pricing.

Note to Rep: Process Under Part #: SVC-2EXT-BC300D

BC300D Specifications

The BC300D offers all of the power, audio clarity, performance, and features needed to keep teams connected, informed, and engaged.

General Specifications	
Mode	Analog or Digital
Digital Protocol	DMR II
Number of Channels	16
Power	W1 (low) / 4W (high) UHF
Programmable Buttons	2
Frequency Range/Band	403-470 MHz UHF
Dimensions (H x W x D) in inches	4.96 x 2.28 x 1.46 inches [with PMNN4075A battery]
Dimensions (H x W x D) in mm	126 x 58 x 37 mm [with PMNN4075A battery]
Weight (approximate)	10.93 ounces/310 grams [with PMNN4075A battery, antenna, belt clip]
Battery Life (5-5-90 duty with battery saver)	10 Hours (analog) / 10 Hours (digital)
Battery	1700 mAh (BC130 charger compatible)
Channel Spacing	Digital:12.5 kHz Analog: 25 kHz/12.5 kHz
Speaker Power	0.5W at 24 ohm
Operating Temperature Range	-22F to 140F /-30C to 60C
Power Supply Voltage	7.4V DC +/- 10%
Frequency Stability	+/- 1.5ppm
RF Input - Output Impedence	50 ohm
IP Rating	IP54
Accessory Connector	2-Pin (BC130 Compatible)
FCC Designation (U.S.)	AZ489FT4955
IC Designation (Canada)	109U-89FT4955
Receiver Specifications	Measured by TIA / EIA 603
Circuit Type	Direct Conversion
Sensitivity	Analog: 12dB Sinad < -121dBm (0.2uV) Digital: 1% BER < -119dBm (0.25uV)
Adjacent Channel Selectivity (TIA/EIA-603C)	Analog: 65dB / Digital :60dB
Intermodulation	Analog: 65dB / Digital :60dB
Spurious Response Rejection	70 dB
Hum and Noise	45dB
Audio Output (5% THD)	0.5W@24ohms (internal)/0.3W@24ohms (external)
Audio Distortion (@1Khz)	<5%
Conducted Spurious Emission	-57dBm
Transmitter Specifications	Measured by TIA / EIA 603
Modulation Limiting	+/-5Khz(25Khz) / +/-2.5Khz(12.5Khz)
Conducted Spurious Emission	-36dBm (<1Ghz) , -30dBm (>1Ghz)
FM Hum & Noise	45dB
Audio Distortion (@1Khz)	<5%
Analog FM Modulation	16K0F3E (25 kHz) / 11K0F3E (12.5 kHz)
4FSK Digital Modulation	12.5 kHz Data: 7K60F1D and 7K60FXD /
	12.5 kHz Voice: 7K60F1E and 7K60FXE /
	12.5 kHz Data and Voice: 7K60F1W

The BC300D is Designed for:

- Schools
- Hospitality
- Construction
- Manufacturing
- Facility Management
- And, More!

What's in the Box? Battery, Charging Cradle, Power Supply, Stubby Antenna, Belt Clip



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