



PRODUCT OVERVIEW:

Motorola/BearCom BC130 Portable Two-Way Radio

The new BC130 radio is manufactured by Motorola and is being offered exclusively by BearCom. The compact, lightweight design features a rugged, die-cast chassis and is ideal for everyday and commercial use, both indoors and outdoors. Packed with a variety of functions, the BC130 offers:

- Channels: 16
- Power: 5W (VHF), 4W (UHF)
- Size, weight: 4.21"H x 2.28"W x 1.46"D, 9.52 oz.
- Two programmable buttons
- Single priority scan
- Nuisance channel delete
- Option button talkaround
- Meets MIL-STD-810C, D, E, and F
- Extended warranty available



Each BC130 two-way radio is sold with an antenna, spring belt clip, Lithium-Ion battery, rapid charger base and power supply, and one-year limited warranty. Additionally, the complete portfolio of Motorola two-pin accessories will work with this new radio.

Buy)))

Rent)))

Service)))



Specifications

GENERAL	VHF – 150-174 MHz	UHF – 450-470 MHz
Channel Capacity	16	16
Model Numbers	AAH84KDJBAA2AN	AAH84RCJBAA2AN
FCC Designation	AZ489FT3810	AZ489FT4873
FCC Emissions Designators	11K0F3E / 16K0F3E	11K0F3E / 16K0F3E
Dimensions (H x W x L)	4.21 x 2.28 x 1.46 inches (107 x 58 x 37 mm)	4.21 x 2.28 x 1.46 inches (107 x 58 x 37 mm)
Weight (with Li-Ion Battery)	9.52 ounces (270 g)	9.52 ounces (270 g)
Average Battery Life @ 5-5-90 Duty Cycle ¹		
High Power (5W/4W)	Up to 10 hours	Up to 10 hours
Low Power (1W)	Up to 13 hours	Up to 13 hours

TRANSMITTER	VHF	UHF
Frequency Range	150-174 MHz	450-470 MHz
Channel Spacing	12.5 / 25 kHz	12.5 / 25 kHz
RF Output	1 to 5W	1 to 4W
Frequency Stability ²	±2.5 ppm	±2.5 ppm
Spurs and Harmonics	-63 dBc (-26 dBm)	-63 dBc (-27 dBm)
FM Hum and Noise Radio ² (12.5/25 kHz)	> 40 dB	> 40 dB
Modulation Limiting ² (12.5/25 kHz)	±2.5 kHz / ±5 kHz	±2.5 kHz / ±5 kHz
Audio Response (0.3-3 kHz) ²	+ 1 to -3 dB	+ 1 to -3 dB
Audio Distortion ²	> 5%	> 5%

RECEIVER	VHF	UHF
Frequency Range	150-174 MHz	450-470 MHz
Channel Spacing	12.5 / 25 kHz	12.5 / 25 kHz
Sensitivity ² (12 dB SINAD)	< -119 dBm (.25uV)	< -117.5 dBm (.3uV)
Adjacent Channel Selectivity ² (12.5/25 kHz)	-60 dB / -65 dB	-60 dB / -65 dB
Intermodulation ² (12.5/25 kHz)	-60 dB / -65 dB	-60 dB / -65 dB
Spurious Rejection ²	65 dB	65 dB
Audio Distortion ²	< 5%	< 5%
Hum and Noise Radio ² (12.5/25 kHz)	40 dB	40 dB
Conducted Emission	< -57 dBm	< -57 dBm
Audio Output @ < 5% Distortion	500 mW (at 8 ohm)	500 mW (at 8 ohm)

¹ 5% receive, 5% transmit, 90% standby.

² All electrical specifications and methods refer to EIA/TIA 603 standards. Specifications shown are typical and subject to change without notice.

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	MILITARY STANDARDS					ENVIRONMENTAL SPECIFICATIONS			
	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		
	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	
High Temperature	501.1	I	501.2	I	501.3	I	501.4	I	
Low Temperature Storage	502.1	I	502.2	I, II	502.3	I, II	502.4	I, II	
Temperature Shock	503.1	I	503.2	I	503.3	I	503.4	I	
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I	
Humidity	507.1	II	507.2	II, III	507.3	II, III	507.4	III	
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	I	
Dust	510.1	I	510.2	I	510.3	I	510.4	I	
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I	
Operating Temperature						-30C to + 60C (Radio Only)			
Sealing						Passes rain testing per IPX4			
Temperature Shock						Die-cast with impact resistance polycarbonate housing, passes EIA 603B			
Dust and Humidity						Weather-resistant housing passes EIA 603B			

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