

BC130

Durable, Easy-to-Use Analog Two-Way Radio

BEARCOM
Always On



This user-friendly two-way radio is available in VHF and UHF.

Manufactured by Motorola Solutions for BearCom!

The BC130 radio is offered exclusively by BearCom. The outstanding design and construction is compact and lightweight with simple push-to-talk features. Built with a rugged, die-cast chassis that is ideal for every day operations and demanding conditions in schools, hospitality, retail, construction and manufacturing, as well as other commercial and industrial environments – both indoors and outdoors. Packed with a variety of functions, the BC130 offers:

Super Features:

- 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 comes complete with antenna, spring belt clip, Lithium-Ion battery, rapid charger base and power supply, and one-year limited warranty. In addition, the complete portfolio of Motorola Solutions two-pin accessories work with the BC130.



 **MOTOROLA SOLUTIONS**
Radio Solutions Channel Partner

Specifications BC130

GENERAL	VHF – 150-174 MHz	UHF – 450-470 MHz
Channel Capacity	16	16
Model Numbers	AAH84KDJ8AA2AN	AAH84RCJ8AA2AN
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	150-174MHz	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)

	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	Operating Temperature	-30C to + 60C (Radio Only)
Low Temperature Storage	502.1	I	502.2	I, II	502.3	I, II	502.4	I, II	Sealing	Passes rain testing per IPX4
Temperature Shock	503.1	I	503.2	I	503.3	I	503.4	I	Temperature Shock	Die-cast with impact resistance polycarbonate housing, passes EIA 603B
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	Dust and Humidity	Weather-resistant housing passes EIA 603B
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I		

BearCom provides a broad line of high-performance wireless communications products, services, and complete mobility solutions. Founded in 1981, BearCom is North America's only nationwide provider and integrator of wireless equipment, serving customers from more than 40 branch offices located throughout the U.S. and Canada. BearCom employs more than 700 people and is headquartered in the Dallas, Texas area.



- For sales call 800.527.1670
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