Mag One™ by Motorola

BPR™40

Introducing the *BPR*™40 two-way portable radio!

It's a little radio with a big list of features:

- 8 channels for complete communication to a wide group
- 2 Programmable buttons for easy use and versatility
- High/Low power provides flexibility for a variety of situations
- Complete assortment of accessories increases radio versatility
- Backed by Motorola service and a one-year limited warranty*
- Small size and light weight make it ideal for any business
- 12 programmable features to choose from
- Attractive price that everyone can afford

* 6 month limited warranty on accessories

BPR™40 Portable Two-Way Radio Specifications

GENERAL SPECIFICATIONS	VHF 150-174 MHz	UHF 450-470 MHz
Channel Capacity	8	8
Model Numbers (NiMH)	AAH84KDS8AA1_N	AAH84RCS8AA1_N
Model Numbers (Li-ion)	AAH84KDS8AA2_N	AAH84RCS8AA2_N
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" (107 x 58 x 37 mm)	
Weight (with NiMH/Li-ion)	11.08 ounces (314 g)/9.52 ounces (270 g)	
Average Battery Life @ 5-5-90 Duty Cycle[1]		
High Power (5W/4W)	Up to 8 hours	
Low Power (1W)	Up to 11 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 Bm)	-63 dBc (-27 Bm)
Frequency Stability[2]	±2.5 ppm	±2.5 ppm
FM Hum & 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 & Noise Radio[2] (12.5/25 kHz)	40 dB	40 dB
Conducted Emission	-57 dBm	-57 dBm
Audio Output @ <5% Distortion[2]	500 mW (at 8 ohm)	500 mW (at 8 ohm)

MILITARY STANDARDS 810 C, D, E and F	810 C		810 D		810 E		810 F	
	Methods	Procedures	Methods	Procedures	Methods	Procedures	Methods	Procedures
High Temperature	501.1	1	501.2	1	501.3	1	501.4	1
Low Temperature	502.1	1	502.2	1, 2	502.3	1, 2	502.4	1, 2
Temperature Shock	503.1	1	503.2	1	503.3	1	503.4	1
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1
Humidity	507.1	2	507.2	2, 3	507.3	2, 3	507.4	3
Salt Fog	509.1	1	509.2	1	509.3	1	509.4	1
Dust	510.1	1	510.2	1	510.3	1	510.4	1
Vibration	514.2	8, 10	514.3	1	514.4	1	514.5	1

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-30°C to +60°C (Radio Only)
Sealing	Passes rain testing per IPX4
Shock & Vibration	Die-cast with impact resistance polycarbonate housing, passes EIA 603B
Dust & Humidity	Weather-resistant housing passes EIA 603B

[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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