

Portable Two-Way Radio

A8

Affordable and Simple to Use



Affordable Radio For Small Business

Trying to eliminate call cost from your communication? Look no further, the Mag One by Motorola A8 portable radio is the answer. Ideal for use in hotel, restaurant, retail, event management and service industries.



Mag One
by Motorola

motorola.com/radiosolutions

Key Attributes and Benefits



16 Channels
The 16 channels allow users to organize their work teams into different talk groups, increasing the efficiency of the radios.



Private Line (PL) / Digital Private Line (DPL)
Set up talkgroup/users with unique PL/DPL to prevent unwanted conversations on the same frequency.



Repeater / Talkaround
Enables user point-to-point communication or via a repeater at the press of a button.



Scan
Allows users to monitor activities on different communication channels so that important messages will not be missed.



Nuisance Channel Delete
Allows users to temporarily remove the unwanted calls in the scan list, enhancing the radio operational efficiency.



Low Battery Indicator
LED & low battery tone provide battery life status.



Monitor
Enables radio-user to listen to current channel as long as the Monitor button is pressed.



Sticky Permanent Monitor
Allows users to stay on monitor mode without consistently pressing the Monitor button.

A8™ PORTABLE TWO-WAY RADIO

GENERAL	VHF	UHF
Dimensions H x W x D	107 mm x 58 mm x 37 mm	
Weight	350g / 13 oz	
Average Battery Life @ 5/5/90 Duty Cycle* Standard Capacity NiMH Battery	8 hours	
Model Number	LAH84JDC8AA4AN LAH84KDC8AA4AN	LAH84QCC8AA4AN LAH84RCC8AA4AN
Frequency Range	136-150MHz 150-174MHz	403-425MHz 450-470MHz
Channel Spacing	12.5 / 25 kHz	
Operating Temperature Range	-30° to +60°C	
Frequency Stability	±2.5ppm	
FCC	136-150MHz AZ489FT3809 150-174MHz AZ489FT3810	403-425MHz AZ489FT4872 450-470MHz AZ489FT4873

*5% receive, 5% transmit, 90% stability

TRANSMITTER	VHF	UHF
RF Power Output	High Power 5W Low Power 1W	4W 1W
Spurs and Harmonics	-63dBc (-26Bm @ 5W) (-27dBm @ 4W)	
FM Hum & Noise	-40dB	
Modulation Limiting	±2.5kHz @ 12.5kHz / ±5kHz @ 25kHz	
Audio Response (0.3 - 3kHz)	+1 to -3dBΩ	
Audio Distortion	5%	

RECEIVER	VHF	UHF
Sensitivity	0.25 μV	0.3 μV
Selectivity	-65dB @ 25kHz / -60dB @ 12.5kHz	
Intermodulation	65dB @ 25kHz / -60dB @ 12.5kHz	
Spurious Rejection	65dB	
Audio Output @ <5% Distortion	500mW	
Audio Distortion	<5%	
Hum and Noise	-40dB	
Conducted Emission	-57dBm	

MILITARY STANDARDS 810 C, D, E AND F

Applicable MIL-STD	810 C		810 D		810E		810F	
	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

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

LE-A8-T1

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Audio Accessories

Choose from a variety of Mag One audio accessories to expand the capabilities of your A8 radio to fit your business needs.

Mag One

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Audio Accessories

- Audio accessories offer convenience without removing the radio from your belt.
- Comfortable earpieces and headsets mute the internal radio speaker while channeling the audio directly to your ear, so you can monitor transmissions clearly and privately.

- **PMMN4008**
Remote Speaker Microphone



- **PMLN4442**
Earbud with in-line Microphone and PTT switch



- **PMLN4443**
Ear Receiver with in-line Microphone and PTT switch



- **PMLN4445**
Ultra lightweight headset with in-line PTT switch



- **PMLN4294**
Earbud with Microphone & PTT Combined



Mag One

Contact your local dealer for a complete list of Accessories at motorola.com/radiosolutions