

Key Attributes and Benefits



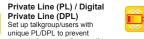
16 Channels

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



Nuisance Channel Delete

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





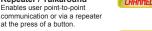
Low Battery Indicator LED & low battery tone provide battery life status.





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.



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

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 Low Power	5W 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

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

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Portable Two-Way Radio



Affordable and Simple to Use



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 On€

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Portable Two-Way Radio

Affordable and Simple to Use

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





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

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