

PRO7150™ Elite Portable Radio

Professional

SPECIFICATION SHEET



BENEFITS

Tone Tagging

Eight distinctive ringing tones allow you to identify an individual or the type of call; such as selective call, Call Alert™ or group call.

Visual Battery Gauge Indicator

This practical feature conveniently displays the power remaining in your radio battery. It gives you the confidence to know that your PRO7150 Elite portable will be ready when you need it.

Selective Radio Inhibit

If a radio is lost or stolen, it can be disabled remotely by the dispatcher. Unauthorized users are prevented instantly from accessing your communication system, protecting your operations from being compromised. When the radio is recovered it can be re-activated from the dispatch console.

Radio Signal Strength Indicator

For improved communication, an icon on your display lets you know immediately the strength of the signal being received by your PRO7150 Elite radio.

X-Pand™ Voice Compression and Low Level Expansion

Crisp, clear, and strong audio quality in virtually any noisy environment. Low level expansion allows further improvements in audio quality by reducing noise usually heard during pauses in conversation.

FEATURES

- 128 Channels
- PTT-ID (encode/decode)
- Call Alert™ (encode/decode)
- Voice Selective Call (encode/decode)
- Radio Check (encode/decode)
- Selective Radio Inhibit (decode only)
- Quik-Call II Signaling (encode/decode)
- Zoning
- Emergency Alert
- Monitor
- Dual Priority Scan
- Built-in DTMF Keypad
- Alpha Numeric 14 Character Display
- Clock & Alarm
- Tight / Normal Squelch
- Busy Channel Lockout
- Time-Out Timer
- Nuisance Channel Delete
- Battery Gauge Icon
- CSQ / PL / DPL / inv-DPL



Motorola's PRO7150 Elite portable provides advanced radio features combined with a lightweight, compact, and elegant design that makes it the most convenient communication tool for the professional who needs to be in constant communication.

The sophisticated PRO7150 Elite radio provides clear audio quality combined with multiple radio features. Additionally, the exciting new design gives the PRO7150 Elite portable a more appealing, refined, and professional appearance.

PRO7150™ ELITE PORTABLE RADIO

GENERAL	VHF	UHF
Dimensions	Height x Width x Depth 4.00 in x 2.19 in x 1.20 in / 101.5 mm x 55.5 mm x 30.5 mm	
Weight (grams/ounces)	250 / 9	
Power Supply	Rechargeable battery 7.5 Volts	
Average Battery Life @ 5/5/90 Duty Cycle*		
Standard High Capacity Lithium Battery	9 hrs @ low power/7 hrs @ high power	
Ultra High Capacity Lithium Battery	13 hrs @ low power/10 hrs @ high power	
Model Numbers	LAH38KDH9AA6_N	LAH38RDH9AA6_N LAH38SDH9AA6_N
Frequency Range / FCC Approval	136 - 174 MHz / AZ489FT3801	403 - 470 MHz / AZ489FT4844 450 - 527 MHz / AZ489FT4845
Channel Spacing	12.5 / 20 / 25 kHz	
Frequency Stability (-30°C to 60°C, 25°C Ref.)	±2.5 ppm	

* 5% Receive, 5% Transmit, 90% Standby

TRANSMITTER	VHF	UHF
RF Power Output	1 - 5 W	1 - 4 W
Modulation Limiting	±2.5 kHz @ 12.5 kHz / ±4.0 kHz @ 20 kHz / ±5.0 kHz @ 25 kHz	
FM Hum & Noise	-40 dB	
Conducted / Radiated Emissions	-66 dBm	
Audio Response (0.3 - 3 kHz)	+1 to -3 dB	
Audio Distortion (typical)	3%	

RECEIVER	VHF	UHF
Sensitivity (12 dB SINAD) EIA (typical)	0.25 µV	
Intermodulation per EIA	70 dB	
Adjacent Channel Selectivity	60 dB @ 12.5 kHz / 70 dB @ 25 kHz	
Spurious Rejection	70 dB	
Rated Audio	0.5 W	
Audio Distortion @ Rated Audio (typical)	3%	
Hum and Noise Shock	-45 dB @ 12.5 kHz / -50 dB @ 25 kHz	
Audio Response (0.3 - 3 kHz)	+1 to -3 dB	
Conducted Spurious Emission	-57 dBm <1 GHz	
Per FCC Part 15	-47 dBm >1 GHz	

MILITARY STANDARDS	810C		810D		810E	
	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	2	500.3	2
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2
Low Temperature	502.1	1	502.2	1,2	502.3	1,2
Temperature Shock	503.1	1	503.2	1	503.3	1
Solar Radiation	505.1	1	505.2	1	505.3	1
Rain	506.1	1,2	506.2	1,2	506.3	1,2
Humidity	507.1	2	507.2	2,3	507.3	2,3
Salt Fog	509.1	1	509.2	1	509.3	1
Dust	510.1	1	510.2	1	510.3	1
Vibration	514.2	8,10	514.3	1	514.3	1
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4

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

 Motorola Accelerated Life Test
 Meets IP54 Standard

 Military Standards MIL-SPECS 810 C, D, E

Contact your Motorola Representative for more information.



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 LE-P7150E-PS REV 11/05