

PRO7150™ Elite

Portable Radio

Developing high-performance communication solutions designed to meet your most challenging demands.



The 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.

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.

PRO7150 Elite Portable Radio

General	VHF	UHF
Dimensions HxWxD	4.00 inches x 2.19 inches x 1.20 inches 101.5 mm x 55.5 mm x 30.5 mm	
Weight	250 grams 9 ounces	
Power Supply	Rechargeable battery 7.5 volts	
Average Battery Life @ 5/5/90 Duty Cycle*: Standard High Capacity Lithium Battery Ultra High Capacity Lithium Battery	9 hrs @ low power/7 hrs @ high power 13 hrs @ low power/10 hrs @ high power	
Model Number	LAH38KDH9AA6AN	LAH38RDH9AA6AN/LAH38SDH9AA6AN
Frequency Range	136 - 174 MHz	403 - 470 MHz 450 - 527 MHz
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 and Noise	-40 dB	
Conducted / Radiated Emissions	-66 dBw	
Audio Response (0.3-3 kHz)	+1 to -3 dB	
Audio Distortion (typical)	3%	

Receiver	VHF	UHF
Sensitivity (12 dB SINAD) (typical) EIA	0.25 µV	
Intermodulation per EIA	70 dB	
Adjacent Channel Selectivity	60 dB @ 12.5 kHz / 70 dB @ 23 kHz	
Spurious Rejection	70 dB	
Rated Audio	0.5 W	
Audio Distortion @ Rated Audio (typical)	3%	
Hum and Noise*	-45 dB @ 12.5 kHz / -50 dB @ 25 kHz	
Audio Response (0.3-3 kHz)	+1 to -3 dB	
Conducted Spurious Emission Per FCC Part 15	-57 dBm < 1 GHz -47 dBm > 1 GHz	

*With Low Level Expansion Activated




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.

Portable Radio 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 Alarm
- ▶ Monitor
- ▶ Dual Priority Scan
- ▶ Built-in DTMF
- ▶ 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

Quality/Reliability

-  Motorola Accelerated Life Test
-  Two year warranty on radio parts and labor. One year warranty on all accessories includes antennas and microphones.
-  Military Standards MIL-STD 810 C, D, E

Contact your Motorola Representative today for more information.

