



PRO3150™

Portable Radio

PRO3150 Portable Radio: The Primary Radio

The combination of features and affordability in the PRO3150 radio allows you to effectively manage your workgroups and can positively impact your bottom line. Motorola's X-Pand™ audio enhancement technology helps ensure crisp, clear sound quality, even in noisy environments. With priority channel scan, you can manage your communications by prioritizing the channel or workgroup you want to monitor most closely. The limited private call capability allows a dispatcher to deliver pertinent information to a select individual, rather than the entire group.

LED Battery Gauge

The tri-color LED changes color to reflect the different levels of charge left in the battery. Also, an alert sound will go off when the battery is low.

Internal VOX

With the use of the appropriate headset, control your transmissions using your voice instead of your hands.

Programmable Buttons

Access the most used features instantaneously by having them programmed to a designated button.

Scan

Enables you to monitor communications happening on different channels without having to manually switch to each channel periodically. And, if there is a channel that is most important, you can monitor it more often than the rest.

Switchable Channel Spacing

Each channel can be programmed with either 12.5 kHz or 25 kHz channel spacing in order to comply with changing government regulations.

X-Pand™ Audio Technology

Motorola's voice compression called X-Pand™ enables 12.5 kHz channels to have as crisp, clear and strong audio quality as 25 kHz channels.

Accessory Connector

Bring your communications closer to the ear by attaching a noise canceling remote microphone or a headset to your radio.



contact

control

Professional Radio

PRO3150 Portable Two-Way Radio Specifications

general

SPECIFICATION	VHF	UHF
Dimensions: Height x Width x Depth With standard high capacity NiMH battery With NiCd battery	Height excluding knobs 137.0 mm x 57.5 mm x 37.5 mm (5.39" x 2.26" x 1.48") 137.0 mm x 57.5 mm x 40.0 mm (5.39" x 2.26" x 1.57")	
Weight: (grams/ounces) Display Model Non-Display Model	With NiMH: 447 / 15.8 With NiCd: 453 / 16.0 With NiMH: 442 / 15.6 With NiCd: 449 / 15.8	
Power Supply	7.5 Volt rechargeable battery	
Average Battery Life @ 5-5-90 Duty Cycle* With either high capacity NiMH battery or NiCd battery	10 hours @ low power / 8 hours @ high power	
Model Numbers	LAH34KDC9AA1_N LAH34KDH9AA6_N	LAH34RDC9AA1_N LAH34RDH9AA6_N LAH34SDC9AA1_N LAH34SDH9AA6_N
Channel Spacing	12.5 / 20 / 25 kHz	
Frequency Range	136 - 174 MHz	403 - 470 MHz / 450 - 527 MHz
Frequency Separation	38 MHz	UHF1: 67 MHz / UHF2: 77 MHz
Frequency Stability	±0.00025% (±2.5 ppm)	

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

transmitter

SPECIFICATION	VHF	UHF
Output RF Power	1 - 5 W	1 - 4 W
Modulation Limiting	±2.5 @ 12.5 kHz / ±4.0 @ 20 kHz / ±5.0 @ 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	3% typical	

receiver

SPECIFICATION	VHF	UHF
Sensitivity (12 dB SINAD) EIA	0.25 µV typical	
Sensitivity (20 dB SINAD) ETS	0.50 µV	
Intermodulation EIA	65 dB	
Adjacent Channel Selectivity	60 dB @ 12.5 kHz / 70 dB @ 25 kHz	
Spurious Rejection	70 dB	
Rated Audio	500 mW	
Audio Distortion @ Rated Audio	3% typical	
Hum and Noise	-45 dB	
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	

military standards

Applicable MIL-STD	810C		810D		810E	
	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	1,2	500.3	1, 2
High Temperature	501.1	1,2	501.2	1,2	501.3	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	3	507.3	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	514.4	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.

PRO3150 portable radio features

- 4 Channels
- 2 Programmable Buttons
- Internal VOX Capability
- Tri-Color LED
- Quik-Call II Signaling (Limited Private Call)
- X-Pand Voice Compression
- Adjustable Power Levels
- Single Priority Scan
- Repeater / Talkaround Operation
- Option of Nickel Metal Hydride or Nickel Cadmium Battery

In addition, the PRO3150 radio with display offers these enhancements:

- 16 Channels
- 7-character Alphanumeric Display with Icons
- Aliasing Capability to Display the Name of the Channel
- DTMF Keypad
- Telephone Interconnect Capability

Quality / Reliability



-  Motorola Accelerated Life Test
-  Two year warranty on radio parts and labor. One year warranty on all accessories including batteries, chargers, belt clips and antennas.
-  Military Standards MIL-SPECS 810 C, D, E

Contact your Motorola Representative now for more information.



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