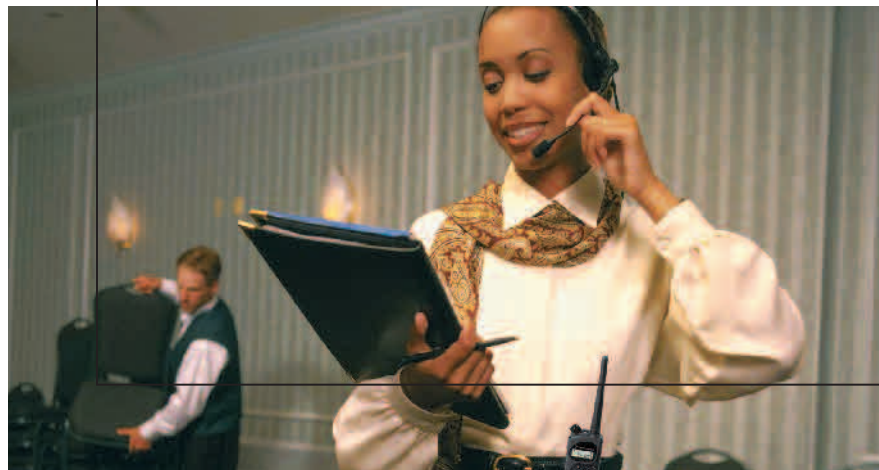


**PRO2150™**  
**Portable Radio**  
**Limited Keypad Model**



A blend of modern design, efficient features and exceptional value, make the PRO2150 portable radio from Motorola an essential communication tool for today's demanding business needs.

If your organization requires that you stay in touch with a mobile workforce and be in control of the operations, the PRO2150 portable radio offers a reasonable way to enhance operational efficiency.

#### **99 Channels**

Ideal for operations with multiple groups of users, this allows you to organize your team into up to 99 different work groups. You will have easy access to each particular group by just using your channel button.

#### **User-friendly Navigation**

With two navigation buttons, you can easily scroll through your radio's menu. The four programmable buttons can be assigned with up to eight commonly-used features, providing even greater convenience at your fingertips.

#### **Compact and Ergonomically Designed**

The PRO2150 portable radio is designed to be held comfortably in your hands. An easy-to-use navigation

button allows you to quickly scroll through the user channels.

#### **Coded Squelch (PL)**

This feature prevents hearing unwanted conversations among users utilizing the same frequency. It also allows you to quickly contact a selected group and maintain a more private conversation.

#### **Battery Saver Feature**

By adjusting your power levels – Economy Low, Low, and High – you can save on battery use, extend talktime and have more control over your battery operational performance.

#### **8-digit Alpha-Numeric and Iconic Display**

A battery icon and a signal strength indicator enable you to determine the radio's operating performance at a glance. Text displays such as channel alias provide critical information for your operation.

## PRO2150™ PORTABLE RADIO LIMITED KEYPAD MODEL

GENERAL	VHF	UHF
Dimensions HxWxD	4.55in. x 2.20in. x 1.38in. 115.5mm x 56mm x 35mm	
Weight	350g 13oz.	
Average Battery Life @ 5/5/90 Duty Cycle*		
Standard Capacity NiMH Battery	5W / Up To 8 Hours 1W / Up To 11 Hours	4W / Up To 8 Hours 1W / Up To 11 Hours
	High Power	Low Power
Model Number	LAH49KDF8AA6_N	LAH49QCF8AA6_N LAH49RCF8AA6_N
Frequency Range	136-174 MHz	403-440 MHz 435-480 MHz
Channel Spacing	12.5 / 25 kHz switchable	
Operating Temperature Range	-30° to +60°C Radio Only -20° to +60°C Radio with Battery	
Sealing	Meets rain testing per IPX4 (EN60529:1991)	
Shock & Vibration	Diecast with impact resistance polycarbonate housing passes EIA RS -316B	
Dust & Humidity	Weather resistant housing passes EIA RS - 316B	
Frequency Stability	±2.5ppm	

\*5% receive, 5% transmit, 90% standby

TRANSMITTER	VHF	UHF
RF Power Output	5W 1W	4W 1W
	High Power	Low Power
Conducted Emissions	-63dBc	
FM Hum and Noise	-40dB	
Modulation Limiting	+/- 5kHz (25kHz) / +/- 2.5kHz (12.5kHz)	
Audio Response (0.3-3kHz)	+1 to -3dB	
Audio Distortion	5%	

RECEIVER	VHF	UHF
Channel Spacing	25kHz 12.5kHz	25kHz 12.5kHz
Sensitivity (12dB SINAD)	0.25µV	
Intermodulation	65dB 60dB	65dB 60dB
Selectivity	65dB 60dB	65dB 60dB
Spurious Rejection	65dB 60dB	65dB 60dB
Audio Output @ <5% Distortion (7.5V / room temperature)	500mW into 24Ω	
Audio Distortion	5%	
Hum and Noise	-40dB	
Conducted Spurious Emissions	-57dBm	

MILITARY STANDARDS	810C, D and E	
Applicable ML-STD	Methods	Procedures
High Temperature	501.3	1
Low Temperature	502.3	1, 2
Temperature Shock	503.3	1
Solar radiation	505.3	1
Humidity	507.3	3
Salt Fog	509.3	1
Dust	510.3	1
Vibration	514.3	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 Radio Features

- ▶ 99 Channels
- ▶ Prime Channel
- ▶ Talkaround
- ▶ Busy Channel Lockout
- ▶ Nuisance Channel Delete
- ▶ Battery Saver Mode
- ▶ Low Battery Alert
- ▶ Channel Alias
- ▶ 12.5 / 25 kHz Channel Spacing
- ▶ Coded Squelch (PL)
- ▶ Digital Coded Squelch (DPL)
- ▶ Priority Scan
- ▶ 3 Scan Lists (each with priority channel)
- ▶ Backlight Setting (auto / toggle)
- ▶ Receive-only Channel
- ▶ Adjustable Squelch Level
- ▶ Time-out Timer (from 0 to 10 minutes)
- ▶ Charger Options
  - Rapid Desktop Charger
  - Overnight Wall Adapter Charger

## Quality/Reliability

 Motorola Accelerated Life Test

 Military Standards MIL-STD 810 C, D, and E

**Contact your Motorola Representative today for more information.**

[motorola.com/radiosolutions](http://motorola.com/radiosolutions)

