PRO2150
Portable Radio
Full Keypad Model

MOTOROLA
intelligence everywhere™

Audio Accessory Included with Every PRO2150 Full Keypad Model Radio

Ear Receiver   **PMLN4443**
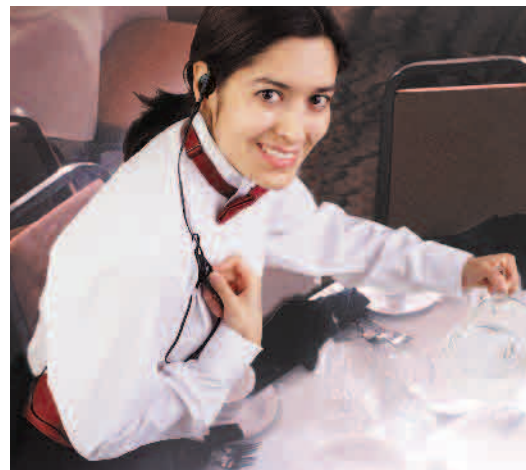
The Motorola PRO2150 portable radio is the affordable solution to provide superior customer service, improve teamwork, have instant access to key personnel, and effectively coordinate your staff and resources.

Compact and ergonomically designed, the exceptional value of the PRO2150 portable radio comes with an outstanding array of features. As well as, the reliability and quality standards you can trust. If you are searching for an efficient communication solution, the PRO2150 radio delivers clear audio quality and effective communication, allowing you to be in control of your operations.

Compact and Ergonomically Designed
Motorola's PRO2150 radio is designed in a modern, lightweight and compact style. The ergonomic design facilitates better handling and the channel knob is replaced by an easy-to-use navigation button that 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.

99 Channels
The PRO2150 portable radio enables you to organize your work teams in a multitude of individual talkgroups. This is ideal for complex operations where communication between different departments or teams is essential. The accessible channel button, located at the front of the radio, provides easy and quick access to the different talkgroups.

Easy to Use Interface
You can easily scroll up and down the radio's menu using the two navigation buttons. Additionally, four programmable buttons allow you to assign up to eight of your most commonly used features, providing more convenience at your fingertips.

Priority Scan
Monitor the activity on your priority channel more frequently than any other channel to avoid missing critical information.

PRO2150 PORTABLE RADIO

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 **High Power** / **Low Power**	5W / Up To 8 Hours 1W / Up To 11 Hours	4W / Up To 8 Hours 1W / Up To 11 Hours
Model Number	LAH49KDH8AA9AN	LAH49QCH8AA9AN LAH49RCH8AA9AN
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 **High Power** / **Low Power**	5W / 1W	4W / 1W
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.

Portable Radio Features

- 99 Channels
- 8 Digit Alpha-Numeric Backlit Display
- Battery Saver Mode
- Talkaround
- 3 Scan Lists
- Busy Channel Lockout
- Time-out Timer
- Low Battery Alert
- Receive-only Channel
- Priority Scan
- Channel Alias
- Nuisance Channel Delete
- Adjustable Squelch Level
- Adjustable Backlight Setting
- 12.5/25 kHz Switchable Channel Spacing
- Coded Squelch (PL)
- Digital Coded Squelch (DPL)
- Prime Channel
- 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

MOTOROLA