



PRO5150™

Portable Radio

As Dedicated
As You Are™

PRO5150 Portable: The Practical Radio

The PRO5150 portable radio is the affordable solution for professionals who require a rugged and reliable radio to help them stay in contact. This practical radio can easily help you to increase productivity by keeping you communicating, yet streamlines your radio use—allowing you to concentrate on the job at hand. And with X-Pand™ voice compression technology, audio quality is clear and crisp even in noisy surroundings. With the PRO5150 portable radio, communication could not be easier.

PRO5150 Portable Radio Key Features and Benefits

Tone Tagging

Eight different ringing tones identify an individual or group.

Emergency Siren

A dedicated button on the top of the radio can be programmed to make a piercing sound when pushed in case of an emergency.

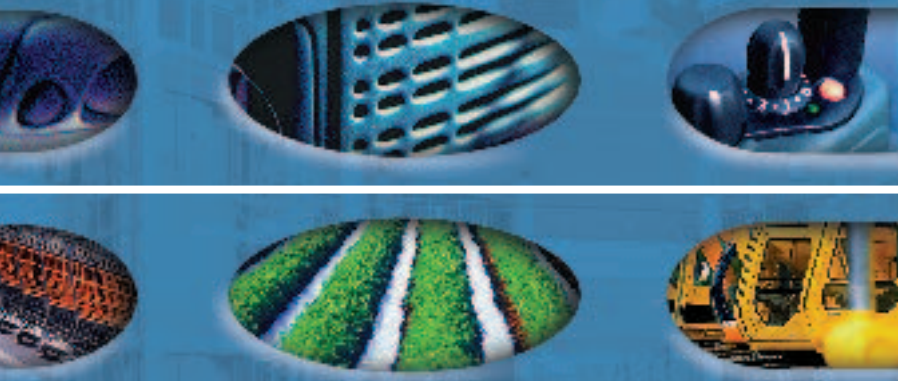
Switchable RF Power Level

Each channel can be programmed with a high or low power setting depending on your coverage needs. Any of the side buttons on the radio can be programmed to temporarily switch between high and low power levels.

12.5/25 kHz Switchable Channel Spacing

Each channel can be programmed with either 12.5 kHz or 25 kHz channel spacing, providing flexibility to comply with changing government regulations.

contact



control

Escalart

The sound of the alert tone gradually increases when a selective call or Call Alert™ is not answered.

Internal Voice Operated Transmission (VOX)

With the use of an appropriate headset, you can speak and listen to a radio conversation without having to use your hands.



Professional Radio

PRO5150 Portable Two-Way Radio Specifications

general

SPECIFICATION	LOWBAND	VHF/UHF
Dimensions (height/width/depth) (with standard high-capacity NiMH battery; without belt clip)	5.40 in. x 2.26 in. x 1.50 in. 137 mm x 57.5 mm x 37.5 mm	
Weight (grams/ounces)	420/15	
Power Supply	Rechargeable battery 7.5 Volts	
Avg. Battery Life @ 5/5/90 Duty Cycle*	11 hrs @ low power/8 hrs @ high power	
Model Number	LAH25BEC LAH25CEC	VHF/LAH25KDC UHF/LAH25RDC UHF/LAH25SDC
Frequency Range	29.7 - 42.0 MHz 35.0 - 50.0 MHz	VHF/ 136-174 MHz UHF/ 403-470 MHz UHF/ 450-527 MHz
Channel Spacing	20 kHz	12.5/20/25 kHz
Frequency Stability (-30°C to 60°C, 25°C Ref.)	± 10 ppm	±5 ppm @ 25 kHz ±2.5 ppm @ 12.5 kHz

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

transmitter

SPECIFICATION	LOWBAND	VHF/UHF
RF Power Output	1-6 W	VHF/ 1-5 W UHF/ 1-4 W
Modulation Limiting	±4 kHz @ 20 kHz	±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 dBw	
Audio Response (0.3 - 3 kHz)	+1 to -3 dB	
Audio Distortion	3% typical	

receiver

SPECIFICATION	LOWBAND	VHF/UHF
Sensitivity (12 dB SINAD) EIA	0.25 µV typical	
Sensitivity (20 dB SINAD) ETS	0.5 µV	
Intermodulation per EIA	70 dB	
Adjacent Channel Selectivity	70 dB	60 dB @ 12.5 kHz 70 dB @ 25 kHz
Spurious Rejection	70 dB	
Rated Audio	0.5 W	
Audio Distortion @ Rated Audio	3% typical	
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	

Specifications subject to change without notice. All Electrical Specifications and Methods refer to EIA/TIA 603 standards. PRO Series radios meet or exceed requirements of MIL STD 810 C,D,E.

additional features

You can expand your radio's capabilities by installing an option board into the internal port:

- DTMF Receive - for incoming calls
- Voice Storage for recording brief voice messages

Additional boards will be available at a later date.

You get all the above plus

- 16 Channels
- PTT-ID
- Call Alert™ (decode only)
- Voice Selective Call (decode only)
- Selective Radio Inhibit (decode only)
- Quik-Call II Signaling (decode only)
- Battery Gauge (LED/TONE)
- Repeater/Unit-to-Unit Operation
- Monitor
- Single Priority Scan
- Tight/Normal Squelch
- Busy Channel Lockout
- Time-Out Timer
- Nuisance Channel Delete
- CSQ / PL/ DPL/ inv-DPL

Contact your Motorola Representative now for more information.



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