MOTOROLA

PRO7350™
Portable Radio

PRO7350 Portable Radio: The Versatile Radio for 800 MHz LTR® Systems

The PRO7350 portable radio is essential for growing organizations because of its unique versatility. Whatever your profession, you can maximize your communication resources by using this powerful radio on any 800 MHz LTR system. Efficient and cost-effective, 800 MHz trunking gives you a wider calling range, faster channel access, greater privacy, and higher user and talkgroup capacity – which means your PRO7350 radio can accommodate virtually all of your business communication needs. What's more, your PRO7350 portable can easily be reprogrammed – so you can rest assured your radio will continue to serve you effectively as your business grows and changes.
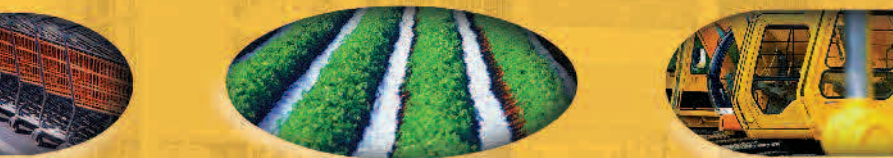
15 Trunked Zones (16 Talkgroups each)
Improve your efficiency with trunked operation for any 800 MHz LTR system.

14 Character Display with Alias
The 14 character alphanumeric display with user-friendly icons make the radio's features and commands simple to understand.

contact

control

MDC Signaling Features on LTR
Motorola's unique MDC signaling features-including selective call, call alert, radio check, and PTT-ID- allow you to monitor workgroups effectively.

System/All Group/Auto Group Selective Scanning
Three scan modes allow you to define the frequency and type of transmissions your radio scans.

Telephone Interconnect Capability
The PRO7350 radio supports incoming and outgoing calls with aliased phone lists for easy selection of frequently used numbers.

As Dedicated As You Are

Professional Radio

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PRO7350   mic

H
CHANNEL 1

P1 P2 P3
1 2 abc 3 def
4 ghi 5 jkl 6 mno
7 pqrs 8 tuv 9 wxyz
* 0 #

www.motorola.com/radiosolutions

PRO7350 Portable Two-Way Radio Specifications

general

SPECIFICATION	800 MHz
Dimensions With standard high-capacity NiMH battery; without belt clip	Height x Width x Depth 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
Average Battery Life @ 5/5/90* Duty Cycle	11 hrs @ low power / 8 hrs @ high power
Model Number	LAH25UCH6DU6_N
Frequency Range	806 - 821 MHz 851 - 866 MHz
Channel Spacing	25 kHz
Frequency Stability (-30°C to 60°C, 25°C Ref.)	±2.5 ppm

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

transmitter

SPECIFICATION	800 MHz
RF Power Output	1 - 2.5 W
Modulation Limiting	±5.0 kHz
FM Hum & Noise	-40 dB
Conducted / Radiated Emissions	-66 dBw
Audio Response (0.3 - 3 kHz)	+1 to -3 dB
Audio Distortion (typical)	3%

receiver

SPECIFICATION	800 MHz
Sensitivity (12 dB SINAD) EIA (typical)	0.25 μV
Intermodulation per EIA	70 dB
Adjacent Channel Selectivity	70 dB
Spurious Rejection	70 dB
Rated Audio	0.5 W
Audio Distortion @ Rated Audio (typical)	3%
Hum and Noise	-50 dB
Audio Response (0.3 - 3 kHz)	+1 to -3 dB
Conducted Spurious Emission Per FCC Part 15	-57 dBm

military standards

Applicable MIL-STD	810C Methods	810C Procedures	810D Methods	810D Procedures	810E Methods	810E 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	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	7,8,10	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.

PRO7350 portable radio features

- 15 Trunked Zones with 16 Talkgroups each (up to 16 Conventional channels)
- PTT-ID (encode/decode)
- Call Alert™/ Voice Selective Call / Radio Check (encode/decode)
- Selective Radio Inhibit (decode) (requires compatible console)
- X-Pand™ Audio Enhancement
- Six Programmable Buttons
- Alphanumeric 14 Character Display
- Conventional Talkaround Mode
- Keypad Lock
- Home Channel Revert
- Dual Priority Scan
- Tight/Normal Squelch
- Option Board Port
- Battery Gauge
- Busy Channel Lockout
- Time-Out Timer
- Nuisance Channel Delete
- CSQ / PL / DPL / INV-DPL

You can expand your radio's capabilities by plugging option boards into the internal port:

- DTMF Decode for In-coming Radio-to-Radio Call Capability
- Voice Storage for Recording Brief Voice Messages

Contact your Motorola Representative now for more information.

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LE-P735-PS8