

PRO5550 BENEFITS

1 Trunked Zone with 15 Talkgroups

Improve your efficiency with trunked operation for 800 MHz SMARTNET systems by improving cooperation and better coordination of different teams in your organization.

Talkgroup Scan

Scanning a combination of talkgroups and conventional channels for messages, and monitoring of channels in a multiple system environment, you can stay in touch with other teams performing different activities.

Telephone Interconnect Capability

The PRO5550 radio allows users to receive an incoming telephone call through the trunked system, thus enhancing their communication options.

Conventional Talkaround Mode

Allows unit-to-unit communications when the system is out of range.

PRO7550 BENEFITS

Multiple System/Talkgroup Capability

Provides operation and flexible access of up to 10 systems / 15 talkgroups allowing better cooperation and coordination of different teams in your organization.

14 Character LCD Display with Alias

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

Talkgroup Scan

Scanning a combination of talkgroups and conventional channels for messages, and monitoring of channels in a multiple system environment, you can supervise multiple activities.

Telephone Interconnect

The PRO7550 radio allows users to receive and make telephone calls through the trunked system.

Frequently used numbers may be accessed through the user-editable phone book.

Conventional Talkaround Mode

Allows unit-to-unit communications when the system is out of range.

FEATURES

- Selective Radio Inhibit (decode)
- Group Call
- Variable RF Power Level
- Alert Tones
- Out of Range Tone
- Conventional Mode Scan
- Trunking Mode Scan
- Dual Mode Scan
- Talkgroup Scan
- Priority Scan
- Failsoft Operation
- Low Battery Warning
- Time-Out-Timer
- Busy Channel Lockout
- CSQ / PL / DPL Signaling

Unique to PRO5550 Radios

- Telephone Interconnect (decode)
- Call Alert (decode)
- PTT-ID (encode)
- Radio Check (decode)
- Private Call (decode)
- Selective Call (decode)

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- Telephone Interconnect (encode/ decode)
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- Radio Check (encode/decode)
- Private Call (encode/decode)
- Selective Call (encode/decode)
- Battery Gauge



The PRO Series Privacy Plus radios are essential in a dynamic environment where effective and instant communication is a critical factor. Regardless of your industry, you can improve your operating efficiency, reduce the risks to employee safety and maximize your ability to respond to emergency situations by using these rugged and reliable radios on an 800 MHz SMARTNET system. Motorola's trunking signaling features−including Selective Call, Call Alert,™ Radio Check, and PTT-ID− allow you to monitor workgroups effectively. The efficiency of trunking gives you a wider calling range, faster channel access, greater privacy, and higher user and talkgroup capacity.

PRO5550™/PRO7550™ PORTABLE RADIOS

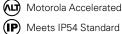
GENERAL	800 MHz				
Dimensions			Height x Width x De	epth	
With standard high-capacity NiMH battery;		5.40 in x 2.26 in	n x 1.50 in / 137 mm x	57.5 mm x 37 .5 mm	
without belt clip					
Weight (grams/ounces)			420 / 15		
Power Supply		R	echargeable battery 7	.5 Volts	
Average Battery Life @ 5/5/90 Duty Cycle*		11 hrs	@ low power / 8 hrs @) high power	
Model Numbers	PRO5550	LAH25UCC6GB3	3_N	PRO7550 LAH25UCH6GB6_N	
Frequency Range / FCC Approval		PRO5550 8	806 - 824 MHz / 851-8	69 MHz** / AZ489FT5795	
		PRO7550 8	806 - 824 MHz / 851-8	69 MHz** / AZ889FT5795	
Channel Spacing			12.5 / 20 / 25 kH:	Z	
Frequency Stability (-30°C to 60°C, 25°C Ref.)		±2.5 ppm @ 12.5 k	Hz	

TRANSMITTER	800 MHz	
RF Power Output	1 - 2,5 W	
Modulation Limiting	±5.0 kHz @ 806-821 kHz / ±4.0 kHz @ 821-824 kHz	
FM Hum & Noise	-40 dB	
Conducted / Radiated Emissions	-66 dBm	
Audio Response (0.3 - 3 kHz)	+1 to -3 dB	
Audio Distortion (typical)	3%	

RECEIVER	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	-57 dBm	
Per FCC Part 15		

MILITARY STANDARDS	810C	810C		810D		810E	
Applicable MIL-STD	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	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	514.3	1	
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4	

 $Specifications \ subject \ to \ change \ without \ notice. \ All \ electrical \ specifications \ and \ methods \ refer \ to \ EIA/TIA \ 603 \ standards.$



Motorola Accelerated Life Test



Military Standards MIL-SPECS 810 C, D, E

Contact your Motorola Representative for more information.

