

Just what you'd expect. We would not expect you to be satisfied with an average LTR® radio solution. So we created a new standard for LTR®—Motorola's LS Trunking. The new LS Quality Seal™ symbolizes this new standard and represents an old promise—uncompromising Motorola standards in Quality, in Versatility and in Simplicity.

Quality in design, construction, and performance. **Versatility** with features you can customize to meet your particular needs. **Simplicity** because great technology doesn't have to be difficult to understand. Look for the LS Quality Seal™ on future trunking solutions from Motorola. It's just what to expect when you want more from LTR® trunking.



Introducing Motorola's new LTR® standard: The LS Quality Seal™

Radius® P1225·LS

Standard model shown. Keypad model also available.

On/Off/Volume Knob

Mode/Channel Select Knob

Select a trunking mode or a conventional channel (up to 8 trunking modes and 2 conventional channels can be programmed*).

LED

Accessory Connector

Push-To-Talk Button (PTT)

6-Character Alphanumeric Backlit Display

Provides high visibility in any light. Modes/channels can be easily identified with standard or customized messages.

Standard Package

P1225-LS Radio
1200 mAh High Capacity Battery
10 Hour Desktop Charger
Whip Antenna
Audio Accessory Retainer
3" Spring Action Belt Clip
Operator Manual Kit



3-Instant Access Feature Buttons allow you to choose your desired combination of features to be accessed with a quick touch of a button:

1. Talkgroup Select Button

Select a Talkgroup and/or activate Talkaround (up to 16 Talkgroups can be programmed*).

2. Scan Button

Activate All Group and/or System Scan.

3. Option Button

Activate Telephone Interconnect, Home Channel Revert and/or Conventional Channel Monitor.

Additional Programmable Features:

Battery Status Indicator
Auto Group Scan
Weighted Scan
Time-Out Timer
Busy Channel Lockout
Call Light Indicator

*Trunking modes/talkgroups and conventional channels show maximum capacity. Capacity may be less depending on programmed features and LTR® system size.

1225·LS™

R A D I O S

SERIES



P1225·LS Portable Two-Way Radio Specifications

General	
	UHF
Model Series:	P94ZPF, P94ZPH
Frequency:	450-470 MHz
Channel Capacity:	Trunking Mode Capacity: Up to 8 Trunking Talkgroup Capacity: Up to 16 Conventional Channel Capacity: Up to 2
Power Supply:	One Rechargeable Ni-Cd (7.5V)
Dimensions:	5.55" x 2.23" x 1.45" (141 x 56.6 x 36.8mm)
Weight:	15.2 oz. (431g)
Avg Battery Life @ 5/5/90 Duty Cycle:	8 hrs.
MIL-STD:	Passes MIL-STD 810 C, D & E
Sealing:	Passes rain testing per MIL-STD 810 C, D & E & IP54
Shock & Vibration:	Impact resistant housing passes TIA-603 and MIL-STD 810 C, D & E
Dust & Humidity:	Weather resistant housing passes TIA-603 and MIL-STD 810 C, D & E

Transmitter	
RF Output @ 7.5V:	4W
Frequency Separation:	20 MHz
Frequency Stability (-30C to +60C):	±0.00025
Spurs/Harmonics:	2.5µW
Audio Response:	+1/-3 dB (From a 6 dB/Oct. Pre-emphasis 300 to 3000 Hz)
Audio Distortion (@1000 Hz 60% rated Max. Dev.):	<3% TIA
FM Noise:	12.5 kHz 20/25 kHz -40 dB -45 dB
FM Modulation:	12.5 kHz 20/25 kHz 11K0F3E 16K0F3E

Receiver	
Channel Spacing:	12.5 kHz 20/25 kHz
Frequency Separation:	20 MHz
Sensitivity	
TIA: 12 dB SINAD*:	.22µV .22µV
20 dB Quieting*:	.38µV .32µV
Squelch:	8-10 dB SINAD
Selectivity TIA:	-60 dB -70 dB
Intermodulation TIA:	-70 dB
Frequency Stability (-30C to +60C):	±0.00025
Spur Rejection TIA:	-75 dB
Image & 1/2 IF Rejection TIA:	-70 dB
Audio Output (@1 kHz, 60% Deviation) TIA (@<5% Distortion):	500 mW
TIA Useable Bandwidth:	1.2 kHz 2.0 kHz
FM Noise:	12.5 kHz 20/25 kHz -40 dB -45 dB

*Typical specifications

Military Standards 810 C, D & E						
Applicable MIL-STD:	810C		810D		810E	
	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	3	507.3	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	8,10	514.3	1	514.4	1
Shock:	516.2	1,2,5	516.3	1,4	516.4	1,4

Ask your dealer about the line of accessories available for P1225·LS Portable Radios.



Specifications subject to change without notice.

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