

PR400™ Portable Two-Way Radio

Intrinsically Safe



16 Channels/Up to 16 LTR Talkgroups

Antenna

Choice of antenna options for your specific needs

Large Rotary Channel Selector

Fixed rotary knob changes channels quickly and easily

Rotary On/Off/Volume Control

Tri-Color LED Indicator

Indicates radio status and battery levels

Accessory Connector with Dust Cover

Convenient access for audio accessories

Microphone/Speaker

Larger, with improved components for enhance audio

3 Inch Belt Clip

Attaches radio firmly to belt

Rugged, Die-Cast Chassis

With polycarbonate housing for greater protection

Two Programmable Option Buttons

Support up to 4 favorite features

Large, Textured Push-to-Talk Button

Easy to find and use, even when wearing gloves

Battery Latch Lock

Secures battery in case the radio is dropped

PR400 Conventional Features:

- 16 Conventional Channel Model
- 12.5/25 kHz Switchable Channel Spacing
- 2 Programmable Buttons
- X-Pand™ Technology
- Dual Priority Scan
- Option Board Expandability

PR400 Programmable Features:

- Monitor
- High/Low Power Settings
- Channel Scan
- Nuisance Channel Delete
- 2 Memory Channels
- Repeater/Talkaround
- Volume Set
- Tight/Normal Squelch
- VOX On/Off

PR400 LTR® Features:

- Up to 4 Sites and 16 Talkgroups
- Up to 20 Repeaters per Site
- Up to 4 Universal IDs per System
- UHF and VHF Frequencies
- Combined System Scan
- User Programmable Scan and Phone Lists
- Data Operated Squelch (DOS)

Conventional/LTR Signaling Features:

In addition, the LTR portable radio offers the following signaling features:

- MDC1200 PTT ID (Numeric ID – Encode)
- MDC1200 Radio Check (Decode)
- MDC1200 Selective Radio Inhibit (Decode)
- Quik Call II™ Selective Call (Decode – Conventional Only)
- Quik Call II™ Call Alert (Decode – Conventional Only)
- DTMF PTT ID (Encode – Conventional Only)

Power and performance to get the job done!

The PR400 is perfect for new two-way radio users, small organizations and firms that want an affordable solution with a maximum number of features and Motorola's reknowned quality.

These rugged radios are designed to integrate with existing portable and mobile radios – built in versatility that's ideal for Agriculture, Construction, Manufacturing, Transportation and Utilities.

When combined with Motorola Original® accessories the PR400 portable can provide a custom solution for your communication needs.

What's more, Motorola's Accelerated Life Test dishes out the equivalent of five years of abuse over a period of three to five weeks. This comprehensive testing helps produce a tough, high quality radio that will serve you for years to come.



Headsets for hands-free ease, chargers keep your radio ready to go. Motorola Original® accessories provide a custom solution for your communication needs.

SPECIFICATIONS

GENERAL SPECIFICATIONS

	UHF (1300 mAh NiMH, Intrinsically Safe)
Channel Capacity:	16
Power Supply:	7.5 Volts +/- 20%
FCC Description:	ABZ99FT4056
Dimensions: (H x W x D)	130 x 62 x 45 mm (5.12 x 2.4 x 1.75 inch) – without knobs or belt clip
Weight:	449 g (15.83 oz) – with radio, battery and belt clip, without antenna
Average Battery Life Capacity:	1300 mAh
Hi-Power Talk Time:	9 hrs (5W)
Lo-Power Talk Time:	11 hrs (1W)

RECEIVER

	UHF (12.5 kHz)	UHF (20/25 kHz)
Frequency:	438-470 MHz	438-470 MHz
Sensitivity: (12dB SINAD)	0.25 uV (typical)	0.25 uV (typical)
Adjacent Channel Selectivity:	-65dB	-70dB
Intermodulation:	-70dB	-70dB
Frequency Stability: (-30° C to +60° C)	0.00025%	0.00025%
Spurious Rejection:	-75dB	-75dB
Image and 1/2 I-F Rejection:	-70dB	-70dB
Audio Output @ < 5% Distortion:	500mW	500mW

TRANSMITTER

	UHF	UHF
RF Output:	Low: 1W	High: 4W
Frequency:	438-470 MHz	438-470 MHz
Channel Spacing:	12.5/20/25 kHz	12.5/20/25 kHz
Frequency Stability: (-30° C to +60° C)	0.00025%	0.00025%
Spurs/Harmonics:	-36dBm<1GHz, -30dBm>1GHz	-36dBm<1GHz, -30dBm>1GHz
Audio Response: (from 6dB/oct. Premphasis 300 to 3000 Hz)	+1, -3dB	+1, -3dB
Audio Distortion: @ 1000 Hz, 60% Rated	< 3%	< 3%
FM Noise:	-40dB (12.5 kHz), -45dB (25 kHz)	-40dB (12.5 kHz), -45dB (25 kHz)
FCC Modulation:	11KOF3E, 16KOF3E	11KOF3E, 16KOF3E

PORTABLE MILITARY STANDARDS 810C, D, E & F

	MIL-STD 810C	MIL-STD 810D	MIL-STD 810E	MIL-STD 810F
	Method: Cat.	Method: Cat.	Method: Cat.	Method: Cat.
Low Pressure:	500.1: I	500.2: II	500.3: II	500.4: I
High Temp:	501.1: I, II	501.2: I, II	501.3: I, II	501.4: I, II
Low Temp:	502.1: I	502.2: I, II	502.3: I, II	501.4: I, II
Temp. Shock:	503.1: I	503.2: I	503.3: I	503.4: I
Solar Radiation:	505.1: I	505.2: I	505.3: I	505.4: I
Rain:	506.1: I, II	506.2: I, II	506.3: I, II	506.4: I
Humidity:	507.1: II	507.2: II, III	507.3: II, III	507.4: III
Salt Fog:	509.1: I	509.2: I	509.3: I	509.4: I
Blowing Dust:	510.1: I	510.2: I	510.3: I	510.4: I
Vibration:	514.2: VIII, X	514.3: I	514.4: I	514.5: I
Shock:	516.3: I, II, V	516.3: I, IV	516.4: I, IV	516.5: I

ACCELERATED LIFE TEST

Motorola's Accelerated Life Test (ALT) is a developmental process of rigorous laboratory testing that simulates years of field use. Motorola has a firm commitment to quality and reliability. These radios have been designed, manufactured and tested to achieve high levels of component and workmanship quality. Motorola radios are designed to minimize costly repairs and downtime.

ENVIRONMENTAL

Operating Temperature:	-30° C to +60° C
Storage Temperature:	-40° C to +85° C
ESD	IEC 801-2 KV
Water and Dust Intrusion:	1P54

All specifications subject to change without notice.



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