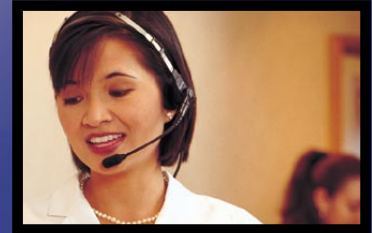
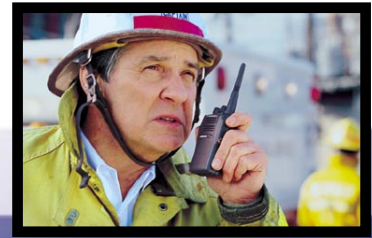


MOTOROLA EX600 EXPERT SERIES

Portable Two-Way Radio



Programmable Emergency Button

Dedicated button that sounds alarm or alerts dispatcher in urgent situations

128 Channels (8 Zones)

14-Character Alphanumeric Display

User-friendly icons provide clear, easy-to-read indicators, including:

- **LED Digital Alarm Clock**
Helps with scheduling for important events
- **Battery Gauge**
Indicates battery strength levels for more effective power management
- **RSSI Indicator**
Displays radio's signal and strength levels at a glance

6 Programmable Buttons

Immediate access to your favorite features

- **Adjustable Power Levels**
Help optimize coverage and battery life
- **Dual Priority Channel Scan**
Program radio to frequently scan transmissions on your two most important channels, to help ensure you don't miss critical calls
- **Monitor/Permanent Monitor**
Quickly and easily monitor a specific channel
- **Repeater Talkaround**
Unit-to-unit communication allows radio to bypass the repeater when necessary, to help ensure continuous radio contact

Control Buttons

Easily manage menu, navigation, and exit functions

Telephone Interconnect Capability

Place and receive phone calls with the radio

Front Panel Programmable Phone List

Store and retrieve phone numbers

Quik Call II™ and MDC1200 Signaling

Send and receive information in a variety of ways, including:

- **Push-to-Talk ID (Encode/Decode)**
Identify your outgoing calls and incoming callers
- **Selective Call (Encode/Decode)**
Send and receive a call from a specific group or individual
- **Call Alert (Encode/Decode)**
Inform unavailable users that you're trying to reach them, and receive alerts of incoming calls when you're a short distance away from your radio
- **Radio Check (Encode/Decode)**
Learn whether another user's radio is activated, and let others check your radio status
- **Emergency (Encode)**
Sounds an alarm or alerts dispatcher in urgent situations
- **Selective Radio Inhibit (Decode)**
Allows system owner to disable stolen or missing radios



Performance and Prestige

Power and versatility are yours with the advanced Motorola EX600 radio. At just 9.5 ounces, this full-keypad portable radio is remarkably compact and lightweight—perfect for professionals on the go. And this Expert Series radio has many outstanding features that are designed to meet virtually every communication need. Six programmable buttons allow you to customize your radio's operations to suit your requirements. A full range of signaling capabilities lets you control transmissions with extraordinary precision. User-friendly icons on the large 14-character alphanumeric display provide clear, understandable information at a glance. The Motorola EX600 radio offers the superior communication capabilities you need to keep productivity and efficiency at their highest.

GENERAL

SPECIFICATION	VHF/UHF
Channel Capacity	128 Channels
Dimensions (with Li-Ion Battery)	3.74" x 1.04" x 2.17" 95mm x 26.5mm x 55.1mm
Weight (with Li-Ion Battery)	9.5 ounces / 270 grams
Power Supply	Rechargeable battery 7.5 V
Average Battery Life @ 5/5/90 Cycle	
Slim Li-Ion Battery	Low Power: 10 hours High Power: 7 hours
High Capacity Li-Ion Battery	Low Power: 10 hours High Power: 14 hours

TRANSMITTER

SPECIFICATION	VHF/UHF
Frequencies	136-174 MHz 403-470 MHz 450-512 MHz
Channel Spacing	12.5 kHz/20/25 kHz
Freq. Stability (-30° C to 60° C, +25° Ref.)	±2.5 ppm @12.5 kHz ±4 ppm @20/25 kHz
Power	1 W, 5 W, 136-174 MHz 1 W, 4 W, 403-470 MHz 1 W, 4 W, 450-512 MHz
Modulation Limiting	±2.5 KHz @12.5 kHz ±4 KHz @20 kHz ±5 KHz @25 kHz
FM Hum & Noise	-34 dB @12.5 kHz -40 dB @20/25 kHz
Conducted/Radiated Emission	-36 dBm < 1 GHz -30 dBm > 1 GHz
Adjacent Channel Power	-60 dBc @12.5 kHz -70 dBc @20/25 kHz
Audio Response (300 - 3000 Hz)	+1 to -3dB of a 6 dB/octave pre-emphasis
Audio Distortion	3%

For more information, please contact:



MOTOROLA

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MD-EX600-01

RECEIVER

SPECIFICATION	VHF/UHF
Frequencies	136-174 MHz 403-470 MHz 450-512 MHz
Channel Spacing	12.5/20/25 kHz
Freq. Stability (-30° C to 60° C, +25° Ref.)	±2.5 ppm @12.5 kHz ±4 ppm @20/25 kHz
Sensitivity (12 dB SINAD)	0.35 µV
Intermodulation	70 dB
Adjacent Channel Selectivity	60 dB @ 12.5 kHz 70 dB @ 20/25 kHz
Spurious Rejection	70 dB
Rated Audio	0.5 W
Audio Distortion @ Rated Audio	3% typical
Hum and Noise	-34 dB @12.5 kHz -40 dB @20/25 kHz
Conducted Spurious Emission	-57 dBm < 1 GHz -47 dBm > 1 GHz

NOTE: All RX Hum and Noise numbers assume a low level expander is used.

**PORTABLE MILITARY STANDARDS
 810 C, D & E**

	810C		810D		810E	
Applicable	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	2	500.3	2
High Temp	501.1	1,2	501.2	1,2	501.3	1,2
Low Temp	502.1	2	502.2	1,2	502.3	1,2
Temp. 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
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4
Vibration	514.2	8,10	514.3	1	514.4	1

ENVIRONMENTAL

PARAMETER	SPECIFICATION
Operating Temperature Radio only	-30 to 60° C
Storage Temperature	-55 to 85° C
Thermal Shock	-40 to 85° C
Humidity	95% RH @ 8 Hr.
Sand Dust	Blowing Dust: 5 Hr. Non-operating IP54
Vibration	SINE 10-60Hz 30 min/axis
Drop Test	42 drops from 48" height 42 drops from 121.9cm height
Flame Resistance	UL94 HB
ESD	IEC 801-2 KV
Water Intrusion	IP54
Packing Test	5 feet