Robust

To keep things running efficiently, safely, and productively, you need to stay connected. That's why so much quality and performance is built into the Professional Series PM1500 two-way mobile radio from Motorola.

Long-range communications are robust with the mobile radio that packs 110 watts of power. The rugged housing and standard external speaker of the PM1500 make it the dependable choice in tough, loud environments. You'll appreciate the user-friendly design of the controls, backlit alphanumeric display and programmable buttons for easy access to favorite features.

The PM1500 puts quality Motorola technology to work helping public safety, utility, transportation and construction users with strong, reliable communications – even over long distances.

Linking Communities with Project 25 (P25)

With a single software upgrade, the PM1500 becomes P25 interoperable. This vital feature gives you the ability to interact with other networks in times of crisis. Check with your Motorola Authorized Dealer or Representative for more information.

PM1500 Additional Features

Quik-Call II™, MDC1200 and DTMF Signaling
Send and receive information in a variety of ways including:

- **Selective Call** Send and receive calls from a specific group or individual
- **Call Alert** Send and receive alerts of incoming calls

MDC1200 Signaling Only Features:

- **Push-to-Talk ID** Identify your calls
- **Emergency (Encode/Decode)** Alerts dispatcher in urgent situations
- **Status/Message (Encode)** Allows radio to send preprogrammed messages
- **Selective Radio Inhibit (Decode)** Allows system owner to disable stolen or missing radios
- **Radio Check (Decode)** Lets others check your radio status

PM1500 Standard Package

- Palm Microphone
- 7.5 Watt External Speaker
- Mounting Hardware
- 20 Ft. Power Cable
- 17 Ft. Remote Mount Cable
- Ignition Sense Cable
- User Guide CD
- 2-Year Standard Warranty

For more information, please contact:

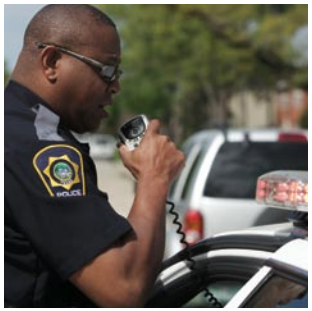
MOTOROLA

MD-PM1500TRIFOLD
05/06

PM1500™ Professional Series

Two-Way Mobile Radio and Accessories

Strengthening the Link:
Two-Way Radios for a Stronger, More Secure Community



PM1500

PM1500 Features

255 Channels

Multicolored LED Indicators

4 Programmable Buttons
Easy access to favorite features. Optional keypad microphone allows you to scroll through the menu and access up to 16 programmable features

Programmable Emergency Button
Alerts dispatcher in an emergency situation

Backlit 8-Character Alphanumeric Display
User friendly icons and soft menu so you easily view status and access features. Display for viewing of channel names and Caller ID

Large Channel and Push Button
On/Off Volume Knobs

7.5 Watt External Speaker
Allows for clear, crisp communication in loud environments

P25 Conventional Upgradeable

GENERAL SPECIFICATIONS

	UHF	VHF
Frequency Range	380-470 MHz	136-174 MHz
Channel Bandwith	12.5/25 kHz	

TRANSMITTER

	UHF	VHF
Frequency Range	380-470 MHz	136-174 MHz
RF Power	25-110W	25-110W
Maximum Frequency Separation	Ref Above Bandsplit	Full Bandsplit
Frequency Stability Operating Frequency Accuracy (- 30C to +60C; +25C Ref) – UHF (+/- 2ppm (-30C to +60C) – VHF	2 ppm	2.5 ppm
Modulation Limiting 25 kHz channel 12.5 kHz channel	 +5 kHz +2.5 kHz	 +5 kHz +2.5 kHz
Channel Spacing Analog	12.5/25 kHz	12.5 kHz
FM Hum and Noise 25 kHz 12.5 kHz	 45 dB 40 dB	 50 dB 40 dB
Emissions	Conducted -85 dBc / Radiated -20 dBc	Conducted -85 dBc / Radiated -85 dBc
Audio Response (6dB/Octave Pre-emphasis from 300 to 300 0Hz)	+1, -3 dB (EIA)	+1, -3 dB (EIA)
Audio Distortion per EIA	2%	2%

RECEIVER

	UHF	VHF
Channel Spacing	12.5/25 kHz	12.5 kHz
Maximum Frequency Separation	Full Bandsplit	Full Bandsplit
Analog Sensitivity 20 db Quieting 12 db SINAD per EIA	 0.25µV | 0.40µV 0.20µV | 0.30µV	 0.25µV | 0.40µV 0.20µV | 0.30µV
Intermodulation	80 dB | 85 dB	85 dB | 85 dB
Spurious Response Rejection	90 dB | 90 dB	90 dB | 90 dB
Audio Output Power at 3% distortion	7.5W (ext. speaker)	7.5W (ext. speaker)
Adjacent Channel Rejection Selectivity (12.5 kHz/25 kHz)	75 dB | 82 dB	85 dB | 85 dB

MOBILE

Dimensions Control Head	 2.56" x 7.22" x 3.38" (65 x 183.5 x 85.8 mm)
High Power Radio Transceiver	 2.765" x 8.08" x 12.31" (70.2 x 205.2 x 312.7 mm)
Weight Control Head	 6.1lbs (2.77 kg)
High Power Radio Transceiver	 8.8lbs (3.99 kg)

FCC TYPE ACCEPTANCE ID

TRANSMITTER POWER		
Band	136-174 MHz	380-470 MHz
Output	25-110 W	25-110 W
Number	AZ492FT3808	AZ492FT4870
Model	AAM79QTD9PW5_N	AAM79KTD9PW5_N

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +85°C
International Protection	IP54 certified

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.

MOTOROLA

PORTABLE MILITARY STANDARDS 810 C, D, E & F

	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F	
	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II
High Temperature Storage	501.1	I	501.2	I/A1	501.3	I/A1	501.4	I/Hot
High Temperature Storage	501.1	II	501.2	II/A1	501.3	II/A1	501.4	II/Hot
Low Temperature Storage	502.1	I	502.2	I/C3	502.3	I/C3	502.4	I/C3
Low Temperature Operational	502.1	I	502.2	II/C1	502.3	II/C1	502.4	II/C1
Temperature Shock	503.1	–	503.2	I/A1-C3	503.3	I/A1-C3	503.4	I/Hot-C3
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I
Rain Blowing	506.1	I	506.2	I	506.3	I	506.4	I
Rain Steady	506.1	II	506.2	II	506.3	II	506.4	III
Humidity	507.1	II	507.2	II	507.3	II	507.4	–
Salt Fog	509.1	–	509.2	–	509.3	–	509.4	–
Blowing Dust	510.1	I	510.2	I	510.3	I	510.4	I
Blowing Sand			510.2	II	510.3	II	510.4	II
Vibration Minimum Integrity	514.2	VIII/F, Curve-W	514.3	I/10	514.4	I/10	514.5	I/24
Vibration Loose Cargo			514.3	II/3	514.4	II/3	514.5	II/5
Shock Functional	516.2	I	516.3	I	516.4	I	516.5	I
Shock Crash Hazard	516.2	III	516.3	V	516.4	V	516.5	V
Shock Bench Handling	516.2	V	516.3	VI	516.4	VI	516.5	VI