



# CDM1550™

Available in Low Band  
Operates on Conventional Systems

## Features include:

- **128 Channels**
- **Dual Priority Scan**  
Frequently scans higher priority channels
- **Repeater Talkaround**  
Unit-to-unit communication, bypassing repeater
- **Quik-Call II™ and MDC 1200 Signaling (Encode/Decode)**  
Send and receive information via tone or digital signals  
Features Include:
  - **Selective Call:** Let's you call a specific group or individual
  - **Call Alert:** Notifies users that you're trying to reach them
  - **Radio Check:** Identifies active radio
  - **Message:** Send/receive messages
- **DTMF Encode**  
Sends pages and telephone calls
- **Status Message:**  
Exchanges text messages between base and user
- **X-Pand™ Audio Enhancement**  
Crisp, clear audio quality
- **Emergency Signaling**  
Sends discreet help signal
- **Horn and Lights Activation**  
Notifies user of call alerts/selective calls when away from vehicle
- **Optional Voice Storage**  
Records important messages or memos
- **Multi-Language Capabilities**  
Programming in English, Spanish, French, or Portuguese
- **RSSI Indicator**  
Displays signal strength level
- **Remote Mountable Control Head**



## The Sophisticated Radio—for advanced needs

Security and utilities teams will appreciate the CDM1550, a top-tier radio that is fully equipped to handle the advanced communication needs of organizations requiring high levels of flexibility and functionality. Motorola's flexible X-Pand™ audio feature and a powerful front-projecting speaker ensure clear, crisp sound, even in noisy environments. The large 14-character alphanumeric display with user-friendly icons helps make information easy to understand. An extensive range of signaling capabilities lets you exchange status messages with your dispatcher to minimize channel usage and improve efficiency, or discreetly signals for emergency help even when your vehicle is turned off. Additionally, the enhanced menu gives you easy access to all of the radio's many features. With 128 channels, this exceptional mobile delivers the superb communication power and control needed to work at maximum efficiency.

**SPECIFICATION SHEET**

GENERAL SPECIFICATIONS	
Low Band	
Channel Capacity:	128
Typical RF Output: High Power	40-60W
Frequencies:	29.7-36 MHz 36-42 MHz 42-50 MHz
Dimensions: (H x W x D) High Power	2.83 x 7.28 x 10.02 inch 72 x 185 x 255 mm
Weight: High Power	4.5 lbs (2.04 Kg)
Current Drain: Standby	.4A
Rx @ rated, external 8 ohm speaker:	1.5A
Transmit:	17A
FCC Description:	AZ492FT1627 (29.7-36 MHz), AZ492FT1628 (36-42 MHz) AZ492FT1626 (42-50 MHz)

TRANSMITTER SPECIFICATIONS	
Low Band	
Channel Spacing:	12.5/20/30 kHz
Frequency Stability: (-30° C to +60° C, +25° Ref.)	± 5 ppm
Power Output: High Power	40-60W
Modulation Limiting:	± 5.0
FM Hum and Noise:	-45dB (25 kHz)*
Conducted/Radiated Emission:	-26dBm
Adjacent Channel Power:	-70dB
Audio Response:	TIA 603 and ETS300 and CEPT 84 Annex 2
Audio Distortion:	3% Typical
FM Modulation:	16K0F3E (25 kHz)*

RECEIVER SPECIFICATIONS	
Low Band	
Frequencies:	29.7-36 MHz 36-42 MHz 42-50 MHz
Channel Spacing:	12.5/20/30 kHz
Frequency Stability: (-30° C to +60° C, +25° Ref.)	± 5 ppm
Sensitivity: (12dB SINAD)	0.3 µV (0.25 Typical)
Intermodulation:	78dB Typical
Adjacent Channel Selectivity:	80dB
Spurious Rejection:	80dB
Rated Audio: External w/4 ohm speaker	3W Internal, 13W External
Audio Distortion @ Rated Audio:	3% Typical
Hum and Noise:	-40 dB @12.5 kHz
Audio Response:	TIA603 and ETS300 and CEPT 84 Annex 2
Conducted Spurious Emission:	-57dBm < 1 GHz -47dBm > 1 GHz

PORTABLE MILITARY STANDARDS				ENVIRONMENTAL
Applicable MIL-STD	810C Method/Procedure	810D Method/Procedure	810E Method/Procedure	
Low Pressure:	500.1/1	500.2/2	500.3/2	Operating Temperature: -30° to +60° C
High Temperature:	501.1/1, 2	501.2/1, 2	501.3/1, 2	Storage Temperature: -55° to +85° C
Low Temperature:	502.1/2	502.2/1, 2	502.3/1, 2	Thermal Shock: -40° to +85° C
Temperature Shock:	503.1/1	503.2/1	503.3/1	Humidity: 95% RH @ 8 Hr.
Solar Radiation:	505.1/1	505.2/1	505.3/1	ESD: IEC 801-2 KV
Rain:	506.1/2	506.2/2	506.3/2	Water Intrusion: IP54
Humidity:	507.1/2	507.2/2, 3	507.3/3	Packing Test: Impact Test
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, 5	516.3/1	516.4/1	

