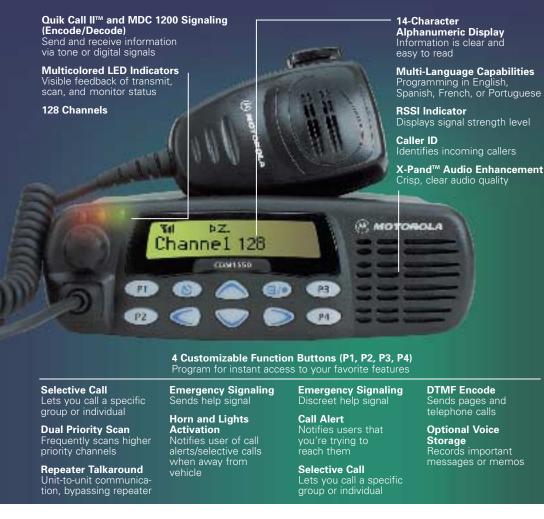
Motorola CDM1550™



The Sophisticated Radio

Equipped to handle advanced communication needs requiring flexibility and functionality.



Additional Features

- 128 Channels
- MDC 1200 Signaling (Encode/Decode) Features Including:

Caller ID - Identifies incoming calls Selective Call - Group or individual Call Alert - For incoming calls Radio Check - Identifies active radio Message - Send/receive messages

- Status Message
 Exchanges text messages
 between base and user
- Data Capable
- Large, Easy to Use Controls
- Channel Selector Buttons
- Large Textured PTT Button on Palm Microphone
- Powerful, Front-Projecting Speaker
- Rugged, Die-Cast Chassis with Polycarbonate Outer Shell
- Remote Mountable Control Head

Motorola Quality: A Sophisticated Radio for Advanced Needs.

The top-tier CDM1550™ mobile radio is fully equipped to handle the advanced communication needs of organizations requiring high levels of flexibility and functionality. Motorola's flexible X-Pand™ audio enhancement technology 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 text messages with your dispatcher to minimize channel usage and improve efficiency, or discreetly signal for emergency help even when your vehicle is turned off. And, the enhanced menu gives you easy access to all of the radio's many features. The exceptional CDM1550™ mobile delivers all the communication power and control you need to work at maximum efficiency.

specifications

GENERAL		LOW BAND	
Channel Capacity:		128	
Typical RF Output:	High Power	40-60W	
Frequencies:		29.7-36 MHz, 36-42 MHz, 42-50 MHz	
Dimensions: (HxWxD		2.3 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,	1.5A	
	external 8 ohm speaker		
Transmit:		17A	
FCC Description:		AZ492FT1627 (29.7-36 MHz)	
		AZ492FT1628 (36-42 MHz)	
		AZ492FT1626 (42-50 MHz)	
TRANSMITTER			
Channel Spacing:		20/30 kHz	
	-30° C to +60° C, +25° Ref.)	± 5 ppm	
Power Output:	Low Power	N/A	
	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 & ETS300 & CEPT 84 Annex 2	
Audio Distortion		3% typical	
FM Modulation:		16K0F3E (25 kHz)	
RECEIVER			
Frequencies:		29.7-36 MHz, 36-42 MHz, 42-50 MHz	
Channel Spacing:		20 kHz	
Frequency Stability: (-30° C to +60° C, +25° Ref.)		± 5 ppm	
Sensitivity: (12dB SINAD)		0.3 μV, 0.25 μV typical	
Intermodulation:		80dB typical	
Adjacent Channel Selectivity:		80dB	
Spurious Rejection:		80dB	
Rated Audio: (external audio with 4 ohm speaker)		3W Internal Speaker, 13W External Speaker	
Audio Distortion @ Rated Audio:		3% typical	
Hum and Noise:		-45dB	
Audio Response:		TIA603 & ETS300 & CEPT 84 Annex 2	
Conducted Spurious	Emission:	-57dBm < 1 GHz, -47dBm > 1 GHz	
ENVIRONMENTA			
Operating Temperature:		-30° to +60° C	
Storage Temperature:		-55° to +85° C	
Thermal Shock :		-40° to +85° C	
Humidity:		95% RH @ 8 Hr.	
ESD:		IEC 801-2 KV	

PORTABLE MILITARY STANDARDS 810 C, D, & E*

Water Intrusion: Packing Test:

Applicable MIL-STD	810C	810D	810E
	Methods/Procedures	Methods/Procedures	Methods/Procedures
Low Pressure:	500.1/1	500.2/2	500.3/2
High Temperature:	501.1/1, 2	501.2/1, 2	501.3/1, 2
Low Temperature:	502.1/2	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:	506.1/2	506.2/2	506.3/2
Humidity:	507.1/2	507.2/2, 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, 5	516.3/1	516.4/1

IP54 Impact Test

 $^{^{\}ast}$ MIL Standards - The CDM mobile radio is designed to meet most requirements for MIL STD 810 C, D, and E.



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