GM380: The Sophisticated Radio

The GM380 is for professionals who need to communicate using the highest levels of radio sophistication. A sophisticated communication tool with a user friendly interface, the GM380 helps to improve the efficiency and productivity of your mobile workforce.



A wide array of features include:

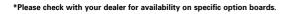
- Signalling The radio software encompasses Private Line™ and 5-tone selective signalling.
- · Emergency Signalling Sends a help signal to a pre-defined person or group of people. The help signal can contain a pre-recorded voice message enabling your whereabouts or status to be determined immediately by the receiving person.
- Lone Worker Added security and safety for individuals who work remotely from their team. The radio enters emergency mode if the user does not respond to the warning signal.
- · Voice Storage Built-in Voice Storage allows you to store and retrieve messages.
- User Information A 4 line 14-character alphanumeric display contains icons for programmed features, prompts for operational awareness and name decode for many incoming calls. Radio provides distinctive tones for different calls and functions.
- Simple menus and a full alphanumeric keypad make the full power of GM380 simple and intuitive to use.
- Status Calls Pre-defined text messages which allow the user to send meaningful messages without talking.

- DTMF
 - Provided that your radio has access to a phone system, you can make phone calls from your radio. This feature may also be programmed to put your radio into permanent DTMF mode at the touch of a button.
- Public Address Mode This feature allows you to use your radio audio as a public address system simply by adding an external speaker and switch fitted and programmed by your dealer.
- Data Capable A modem can be fitted inside a special expansion head, or external to the radio.

Additional features include:

- Channel Scan
- Option Board Expandability*
- Call Forward

- Level Expansion
- Voice Operated Transmit (VOX)
- Memory Channel
- Car Radio Mute



GM380 Mobile Two-Way Radio Specifications

General			
Specification	VHF	UHF	
Frequency Range:	136-174 MHz	403-470 MHz	
Frequency Stability (-30°C to +60°C, 25°C Ref.)	±2.5 PPM	±2 PPM	
Channel Capacity:	255		
Channel Spacing:	12.5/20/25 kHz		
Power Output:	1-25W	1-25W	
Power Supply:	13.2Vdc (10.8 - 15.6 Vdc)	13.2Vdc (10.8 - 15.6 Vdc) negative vehicle ground	
Dimensions (L x W x H)	188mm x 185mm x 72mm (add 7mm for Volume Knob) (7.4" x 7.28" x 2.83" - add 0.27" for Volume Knob)		
Weight: Low power (1-25W) High power (40-60W)	1400 g (3.15 lbs) 2064 g (4.3lbs)		
Operating Temperature	-30 to 60°C		
Sealing	Passes rain testing to IP54		
Shock and Vibration	Meets MIL-STD 810-C,D&E and TIA/EIA 603		
Dust	Meets MIL-STD 810-C,D&E and TIA/EIA 603		
Humidity	Meets MIL-STD 810-C,D&E and TIA/EIA 603		

Mobile Military Standards 810 C, D, & E						
	810C		810D		810E	
Applicable MIL-STD	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
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	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	1,2,5	516.3	1	516.4	1

Transmitter				
Specification	VHF	UHF		
Modulation Limiting:	±2.5 kHz @ 12.5 kHz ±4.0 kHz @ 20 kHz ±5.0 kHz @ 20/25 kHz			
FM Hum and Noise:	-40 dB @ 12.5 kHz -45 dB @ 20/25 kHz			
Conducted/Radiated Emissions:	-36 dBm < 1 GHz -30 dBm > 1 GHz			
Adjacent Channel Power	-60 dB @ 12.5, -70 dB @ 20/25 kHz			
Audio Response: (300 to 3000Hz)	+1, -3dB			
Audio Distortion: @ 1000 Hz, 60% Rated Maximum Deviation:	3% Typical			

Receiver				
Specification	VHF	UHF		
Sensitivity (12dBSINAD): (ETS)	0.30μV (0.22 μV Typical)			
Intermodulation: (ETS)	>65 dB; >70 dB in Base Mode			
Adjacent Channel Selectivity: (ETS)	80dB @ 25 kHz 75dB @ 20 kHz 65dB @ 12.5 kHz	75 dB @ 25 kHz 70 dB @ 20 kHz 65 dB @ 12.5 kHz		
Spurious Rejection: (ETS)	80 dB @ 20/25 kHz 75 dB @ 12.5 kHz	75 dB @ 20/25 kHz 70 dB @ 12.5 kHz		
Rated Audio: (ETS)	3W Internal 7.5W & 13W External			
Audio Distortion @ Rated Audio:	3% Typical			
Hum and Noise:	-40 dB @ 12.5 kHz -45 dB @ 20/25 kHz			
Audio Response: (300 to 3000Hz)	+1, -3dB			
Conducted Spurious Emission per FCC Part 15:	-57 dBm <1 GHz -47 dBm >1 GHz			

*Availability subject to individual country's law and regulations.

Specifications are subject to change without notice and are issued for guidance purposes only.

All specifications listed are typical. Radios meet applicable regulatory requirements.

Conforms to EC directive 89/336/EEC

Complies with ETS 300 113

Contact your local Authorised Motorola Dealer to find out more about how communicating with the Professional Radio series will benefit your organisation.



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For exceptional performance, reliability and quality, Motorola Original accessories are the only options. For full details, please refer to the Professional Radio Series Accessories brochure.









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