GM360:
The Versatile Radio

The GM360 is essential for growing organisations because of its unique versatility. When necessary, the radio can easily be programmed in the field to add or delete features, making flexibility the hallmark. The versatility of the GM360 helps you to keep productivity at its highest, no matter how fast your business grows.

Professional Radio

As Dedicated As You Are

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.

- **External Alarm**
  Activates the vehicle horn and/or lights on receipt of an incoming call, so you won't miss a call even when away from your vehicle.

- **User Information**
  A14-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.

- **Ease of Use**
  Simple menus and an alphanumeric contact list make the full power of GM360 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 and you are utilising an enhanced keypad microphone, you can make phone calls from your radio.

- **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.

- **Memory Channel**
  You or your dealer may programme up to two memory channel buttons, which give you quick access to frequently used channels.

- **Car Radio Mute**
  Automatically mutes your in-car audio entertainment system to allow calls to be heard and sent without interference.

- **Data Capable**
  A modem can be fitted inside a special expansion head, or external to the radio.

Additional features include:

- Channel Scan
- Voice Operated Transmit (VOX)

- X-Pand™ Voice Compression and Low Level Expansion

- Call Forward
- Option Board Expandability*

*Please contact your Motorola dealer for further information.

GM360 Mobile Two-Way Radio Specifications

General

Specification	VHF	UHF	LB1, LB2, LB3
Frequency Range:	136-174 MHz	403-470 MHz	29.7-36.0 MHz 36.0-42.0 MHz 42.0-50.0 MHz
Frequency Stability (-30°C to +60°C, 25°C Ref.)	±2.5 PPM	±2 PPM	±5.0 PPM
Channel Capacity:		255	
Channel Spacing:		12.5/20/25 kHz	
Power Output:	1-25W	1-25W	25-60W
Power Supply:		13.2Vdc (10.8 - 15.6 Vdc) negative vehicle ground	
Dimensions (L x W x H) UHF/VHF 1-25W		186mm x 179mm x 59mm (add 9mm for Volume Knob) (7.32" x 7.05" x 2.34" - add 0.35" for Volume Knob) Remote Mount Block: 159mm x 168mm x 48mm	
Low Band 40-60W		250mm x 179mm x 59mm (add 9mm for Volume Knob) (9.8" x 7.05" x 2.34" - add 0.35" for Volume Knob) Remote Mount Block: 223mm x 168mm x 48mm	
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	

Transmitter

Specification	VHF	UHF	LB1, LB2, LB3
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	-26 dBm
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	LB1, LB2, LB3
Sensitivity (12dBSINAD): (EN)		0.30µV (0.22 µV Typical)	
Intermodulation: (EN)		>65 dB; >70 dB in Base Mode	>65dB
Adjacent Channel Selectivity: (EN)	80dB @ 25 kHz 75dB @ 20 kHz 65dB @ 12.5 kHz	75 dB @ 25 kHz 70 dB @ 20 kHz 65 dB @ 12.5 kHz	80 dB @ 25 kHz 75 dB @ 20 kHz 65 dB @ 12.5 kHz
Spurious Rejection: (EN)	80 dB @ 20/25 kHz 75 dB @ 12.5 kHz	75 dB @ 20/25 kHz 70 dB @ 12.5 kHz	80 dB @ 20/25 kHz 75 dB @ 12.5 kHz
Rated Audio: (EN)		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	

Mobile Military Standards 810 C, D, & E

Applicable MIL-STD	810C Methods	810C Procedures	810D Methods	810D Procedures	810E Methods	810E 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

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

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

Radios meet applicable regulatory requirements.

Conforms to RTTE Directive: 1999/5/EC, 95/54/EC (72/245/EEC) (excludes lowband).

Relevant standards: EN300 086-2, EN300 113-2, EN301 489-05

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

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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