

GM360

Efficiency Through Communication.

SPECIFICATION SHEET



KEY FEATURES

Signalling

- Private Line™
- 5-tone selective signalling

Easy to use and set-up

- Intuitive menu-driven user interface and large controls enable easy access to many features
- 14 character alpha-numeric display
- Programmable buttons
- PC programmable*

Adaptable and versatile

- Option board capability allows additional features and customer-specific functions*
- Easily programmed in the field to support additional features
- Data capability allows interface to third party terminals to enhance communications

Protecting users

- Emergency signalling
- Lone worker
- External alarm

Quality

- MIL Spec 810 compliant
- Meets IP54 environmental standards
- Passed Motorola Accelerated Life Test
- X-Pand™ voice compression technology

Efficiency

- Channel scanning
- Call forwarding
- Status calls
- Car radio mute
- Memory channel
- Voice operated transmit (VOX)

Included as standard

- Battery power cable
- Enhanced compact microphone
- 3 point mounting tray

Accessory options

A wide range of accessory options are available to customise your radio

- Microphones and desktop solutions
- In-vehicle accessories
- Mounting kits

** For further information, please contact your local dealer or distributor*



The GM360, one of the market-leading radios in Motorola's Professional Series, offers communications for the mobile workforce in larger organisations. The radio offers broad functionality; an easy-to-use menu with navigation keys for productivity and security features to protect users working alone or remotely.

Option boards and a wide range of accessories and portable radios are also available within the Professional Series. It is easy to build a tailored communications solution to meet your needs.

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 PPM
Channel Capacity		255	
Channel Spacing		12.5/20/25 kHz	
Power Output	1-25W	1-25W	45-60W
Power Supply		13.2Vdc (10.8 - 15.6 Vdc) negative vehicle ground	
Dimensions (L x W x H)		1-25W: 186 x 180 x 59mm (add 9mm for Volume knob) 45-60W: 198 x 180 x 59mm (add 9mm for Volume knob)	
Weight		Low power (1-25W): 1450g High power (45-60W) 2064g	
Operating Temperature		-30 to 60°C	
Operation Mode	Intermittent	Intermittent	Intermittent
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 @ 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 kHz -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 (12dB SINAD) (EN)		0.30µV (0.22 µV Typical)	
Intermodulation (EN)		>65 dB	>65 dB
Adjacent Channel Selectivity (EN)	80 dB @ 25 kHz 75 dB @ 20 kHz 65 dB @ 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						
	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

Data for +25°C unless otherwise specified

*Availability subject to individual country's law and regulations.
Specifications are subject to change without notice and are issued for guidance only.
All specifications listed are typical. Radios meet applicable regulatory requirements.
Conforms to EC directive EN 300 086 and EN 300 113
Contact your local Motorola Authorised Dealer to find out more about how communicating with the Professional Series radios will benefit your organisation.



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