



TWO-WAY RADIOS

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.



As Dedicated As You Are

Professional Radio

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**
A 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.
- **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 check with your dealer for availability on specific option boards.

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 | 40-60W |
| Power Supply: | 13.2Vdc (10.8 - 15.6 Vdc) negative vehicle ground | | |
| Dimensions (L x W x H) | 186mm x 179mm x 59mm (add 9mm for Volume Knob) (7.32" x 7.05" x 2.34" - add 0.35" for Volume Knob) | | |
| UHF/VHF 1-25W | 250mm x 179mm x 59mm (add 9mm for Volume Knob) (9.8" x 7.05" x 2.34" - add 0.35" for Volume Knob) | | |
| Low Band 40-60W | | | |
| Weight: | 1400 g (3.15 lbs) 2064 g (4.3lbs) | | |
| Low power (1-25W) | | | |
| High power (40-60W) | | | |
| 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 | | | | | | |
|---|---------|------------|---------|------------|---------|------------|
| 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 |
| 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 | 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 (12dB SINAD): (ETS) | 0.30µV (0.22 µV Typical) | | |
| Intermodulation: (ETS) | >65 dB; >70 dB in Base Mode | | >65dB |
| 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 | 80 dB @ 25 kHz 75 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 | 80 dB @ 20/25 kHz 75 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 (excludes lowband)

Complies with ETS 300 113 (excludes lowband)

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



Communications Design & Technology


CDT
NESBC
Pinbush road
Lowestoft
NR33 7NQ

TEL: 01502 537928
FAX: 01502 538118

EMAIL: sales@cdt-ltd.co.uk

*UK Sales Office,
Middle East and Africa Headquarters*
Motorola Ltd
Jays Close, Viabes Industrial Estate
Basingstoke
Hampshire RG22 4PD
Tel. +44 (0) 1256 358 211
Fax +44 (0) 1256 469 838

*Central Europe Headquarters,
Eastern Europe, Turkey and Central
Asia Headquarters*
Motorola GmbH
Heinrich Hertz Strasse 1
65232 Taunusstein
Germany
Tel. +49 (0)6128 700
Fax +49 (0)6128 951084

 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.



© Motorola, Professional Radios, As Dedicated As You Are and X-Pand are trademarks of Motorola Inc.
© 2000 Motorola, Printed in the United Kingdom
<http://www.mot.com>