

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.

GM360

Efficiency Through Communication.

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

| 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 |

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.



Motorola Limited, EMEA Headquarters

Jays Close, Viabes Industrial Estate, Basingstoke, RG22 4PD, UK
Telephone: +44 (0)1256 358211

www.motorola.com

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For more information please contact your local Motorola Authorised Dealer or Distributor



BRABOURNE
COMMUNICATIONS LIMITED
sales@brabournecommunications.com
01332 363135