

KEY FEATURES

Signalling

- Private Line™
- 5-tone selective signalling

Easy to use and set-up

- Programmable buttons for easy access to frequently used features
- 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
- Escalating incoming call alert

Included as standard

- Battery power cable
- Enhanced compact microphone
- Low profile trunion kit

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*



GM340

Communication Made Easy.

The GM340, one of the market-leading radios in Motorola's Professional Series, offers simple and effective communications for organisations that require an affordable communication tool for their mobile workforce. The radio offers essential functionality 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 |
| 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 | 6 | |
| Channel Spacing | 12.5/20/25 kHz | |
| Power Output | 1-25W | 1-25W |
| Power Supply | 13.2Vdc (10.8 - 15.6 Vdc) negative vehicle ground | |
| Dimensions (L x W x H) | 1-25W: 176 x 174 x 56mm (add 8mm for Volume knob) | |
| Weight | 1-25W: 1390g | |
| Operating Temperature | -30 to 60°C | |
| Operation Mode | 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 |
| 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 |
| 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 |
| Sensitivity (12dB SINAD) (EN) | 0.30µV (0.22 µV Typical) | |
| Intermodulation (EN) | >65 dB | |
| 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 |
| Spurious Rejection (EN) | 80 dB @ 20/25 kHz 75 dB @ 12.5 kHz | 75 dB @ 20/25 kHz 70 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.



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