

## KEY FEATURES

**Signalling**

- Private Line™
- 5-tone selective signalling

**Easy to use and set-up**

- Programmable buttons for easy access to frequently used features
- Ruggedised design

**Protecting users**

- Emergency signalling
- Lone worker feature for staff working remotely
- Whisper mode for discreet communications

**Quality**

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

**Efficiency**

- Channel scanning
- Call management features include call forwarding and escalating incoming call alert

**Included as standard**

- Battery
- Antenna
- Belt clip
- Accessory dust cover
- User manual

**Accessory options**

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

- Audio accessories
- Batteries and chargers
- Carry options

*For full details of available accessories, please contact your local dealer or distributor*



# GP340

Communication Made Easy.

The GP340, one of the market-leading radios in Motorola's Professional Series, is a simple communication solution for portable users requiring a high-quality radio. The GP340 keeps users in touch; increasing efficiency and productivity. The radio offers essential functionality and security features to protect users working alone or remotely.

With option board capability and a wide range of accessories available within the Professional Series; it's easy to build a tailored communications solution to meet your needs.

# SPECIFICATIONS

## GENERAL SPECIFICATIONS

<b>Channel Capacity</b>	16
<b>Power Supply</b>	Rechargeable Battery 7.5v
<b>Dimensions: H x W x D (mm)</b>	Height excluding knobs
<b>With Standard high capacity NiMH battery</b>	137 x 57.5 x 37.5
<b>With ultra high capacity NiMH battery</b>	137 x 57.5 x 40.0
<b>With NiCD battery</b>	137 57.5 x 40.0
<b>With Li-Ion battery</b>	137 x 57.5 x 33.0
<b>Weight: (gm)</b>	
<b>With Standard high capacity NiMH battery</b>	420
<b>With Ultra high capacity NiMH battery</b>	500
<b>With NiCD battery</b>	450
<b>With Li-Ion battery</b>	350
<b>Average battery Life @5/5/90 Cycle:</b>	<b>Low Power</b> <b>High Power</b>
<b>With Standard high capacity NiMH battery</b>	11 hours      8 hours
<b>With Ultra high capacity NiMH battery</b>	14 hours      11 hours
<b>With NiCD battery</b>	12 hours      9 hours
<b>With Li-Ion</b>	11 hours      8 hours

## GENERAL SPECIFICATIONS (continued)

<b>Sealing:</b>	Withstands rain testing per MIL STD 810 C/D/E and IP54
<b>Shock and Vibration:</b>	Protection provided via impact resistant housing exceeding MIL STD 810-C/D/E and TIA/EIA 603
<b>Dust and Humidity:</b>	Protection provided via environment resistant housing exceeding MIL STD 810 C/D/E and TIA/EIA 603
<b>Operating temperature:</b>	-20°C to +55°C

Data is specified for +25°C unless otherwise stated.

## PORTABLE MILITARY STANDARDS 810 C, D & E

Applicable MIL-STD	810C		810D		810E	
	Methods	Procedures	Methods	Procedures	Methods	Procedures
<b>Low Pressure</b>	500.1	1	500.2	2	500.3	2
<b>High Temperature</b>	500.1	1,2	501.2	1,2	501.3	1,2
<b>Low Temperature</b>	502.1	1	502.2	1,2	502.3	1,2
<b>Temp. Shock</b>	503.1	1	503.2	1	503.3	1
<b>Solar Radiation</b>	505.1	1	505.2	1	505.3	1
<b>Rain</b>	506.1	1,2	506.2	1,2	506.3	1,2
<b>Humidity</b>	507.1	2	507.2	2,3	507.3	2,3
<b>Salt Fog</b>	509.1	1	509.2	1	509.3	1
<b>Dust</b>	510.1	1	510.2	1	510.3	1
<b>Vibration</b>	514.2	8,10	514.3	1	514.4	1
<b>Shock</b>	516.2	1,2,5	516.3	1,4	516.4	1,4

## TRANSMITTER

<b>*Frequencies - Full Bandsplit</b>	VHF: 136-174 MHz UHF: 300-350 MHz UHF1: 403-470 MHz	LB1: 29.7-42 MHz LB2: 35-50 MHz
<b>Channel Spacing</b>	12.5/20/25 kHz	12.5/20/25 kHz
<b>Frequency Stability (-25°C to +55°C, + 25°C Ref.)</b>	±2.5 ppm	±10ppm
<b>Power</b>	136-174: 1-5W 300-350: 1-4W 403-470: 1-4W	1-6W
<b>Modulation Limiting</b>	±2.5 @ 12.5 kHz ±4.0 @ 20 kHz ±5.0 @ 25 kHz	±2.5 @ 12.5kHz ±4.0 @ 20 kHz ±5.0 @ 25 kHz
<b>FM Hum &amp; Noise</b>	-40dB typical	-40dB typical
<b>Conducted/Radiated Emission</b>	-36 dBm <1 GHz -30 dBm >1GHz	-36 dBm 1000MHz -30 dBm 1000MHz
<b>Adjacent Channel Power</b>	-60 dB @ 12.5 kHz -70 dB @ 20/25 kHz	-60 dB @ 12.5 kHz -70 dB @ 25 kHz
<b>Audio Response (300-3000Hz)</b>	+1 to -3 dB	+1 to -3 dB
<b>Audio Distortion</b>	3%	3%

## RECEIVER

<b>*Frequencies - Full Bandsplit</b>	VHF: 136-174 MHz UHF: 300-350 MHz UHF1: 403-470 MHz	LB1: 29.7-42 MHz LB2: 35-50 MHz
<b>Channel Spacing</b>	12.5/20/25 kHz	12.5/20/25 kHz
<b>Sensitivity (12 dB SINAD) EIA</b>	.25µV typical	.25µV typical
<b>Sensitivity (20 dB SINAD) EN</b>	.50µV typical	.50µV typical
<b>Intermodulation EIA</b>	70 dB	70 dB
<b>Adjacent Channel Selectivity</b>	60 dB @ 12.5 kHz 70 dB @ 20/25 kHz	60 dB @ 12.5 kHz 70 dB @ 25 kHz
<b>Spurious Rejection</b>	70 dB	70 dB
<b>Rated Audio</b>	0.5W	0.5W
<b>Audio Distortion @ Rated Audio</b>	3% typical	3% typical
<b>Hum &amp; Noise</b>	-40 dB @ 12.5 kHz -50 @ 20/25 kHz	-45 @ 12.5 kHz -50 @ 20/25 kHz
<b>Audio Response (300-3000 Hz)</b>	+1 to -3 dB	+1 to -3dB
<b>Conducted Spurious Emission</b>	-57 dBm <1 GHz -47 dBm <1 GHz EN 300 086	-57 dBm <1 GHz -47 dBm <1 GHz FCC Part 15

\*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 89/336/EEC

Complies with EN 300 113

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



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GP340-RE(08/06)

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