

## KEY FEATURES

**Signalling**

- Private Line™
- 5-tone selective signalling

**Easy to use and set-up**

- Compact model for greater portability
- 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*



# GP344

Communication Made Easy.

The compact GP344, 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 compact GP344 keeps users in touch; increasing efficiency and productivity. The radio offers essential functionality and security features to protect users working alone or remotely.

With 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 Li-Ion battery</b>	101.5 x 55.5 x 30.5	
<b>With high capacity Li-Ion battery</b>	101.5 x 55.5 x35.5	
<b>Weight: (gm)</b>		
<b>With standard Li-Ion battery</b>	250	
<b>With high capacity Li-Ion battery</b>	270	
<b>Average battery Life @5/5/90 Cycle:</b>	<b>Low power</b>	<b>High Power</b>
<b>With standard Li-Ion battery</b>	>9 hours	>7 hours
<b>With high capacity Li-Ion battery</b>	>13 hours	>10 hours
<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	

## 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>	501.1	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

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

## TRANSMITTER

<b>*Frequencies - Full Bandsplit</b>	VHF: 136-174 MHz UHF 1: 403-470MHz UHF 2: 450-527 MHz
<b>Channel Spacing</b>	12.5/20/25 kHz
<b>Frequency Stability (-25°C to +55°C, + 25°C Ref.)</b>	±2.5 ppm
<b>Power</b>	136-174: 1-5W 403-470: 1-4W 450-527: 1-4W
<b>Modulation Limiting</b>	±2.5 @ 12.5 kHz ±4.0 @ 20 kHz ±5.0 @ 25 kHz
<b>FM Hum &amp; Noise</b>	-40 dB typical
<b>Conducted/Radiated Emission</b>	-36 dBm <1 GHz -30 dBm >1 GHz
<b>Audio Response (300-3000Hz)</b>	+1 to -3 dB
<b>Audio Distortion</b>	<5% typical

## RECEIVER

<b>*Frequencies - Full Bandsplit</b>	VHF: 136-174 MHz UHF 1: 403-470 MHz UHF 2: 450-527 MHz
<b>Channel Spacing</b>	12.5/20/25 kHz
<b>Sensitivity (12 dB SINAD) EIA</b>	.35 µV typical
<b>Intermodulation EIA</b>	-65 dB
<b>Adjacent Channel Selectivity</b>	60 dB @ 12.5 kHz 70 dB @ 20/25 kHz
<b>Spurious Rejection</b>	70 dB
<b>Rated Audio</b>	0.5W
<b>Audio Response (300-3000 Hz)</b>	+1 to -3 dB

\*Availability subject to individual country's law and regulations.

Specifications are subject to change without notice and are issued for guidance only.

Radios meet applicable regulatory requirements.

Conforms to RTTE directives 1999/5/EC

Relevant standards: EN300 086-2, EN300 113-2, EN301 489-05

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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