

GP344

Communication Made Easy.

SPECIFICATION SHEET



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



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		
Channel Capacity	16	
Power Supply	Rechargeable battery 7.5v	
Dimensions: H x W x D (mm)	Height excluding knobs	
With standard Li-Ion battery	101.5 x 55.5 x 30.5	
With high capacity Li-Ion battery	101.5 x 55.5 x35.5	
Weight: (gm)		
With standard Li-Ion battery	250	
With high capacity Li-Ion battery	270	
Average battery Life @5/5/90 Cycle:	Low power	High Power
With standard Li-Ion battery	>9 hours	>7 hours
With high capacity Li-Ion battery	>13 hours	>10 hours
Sealing:	Withstands rain testing per MIL STD 810 C/D/E and IP54	
Shock and Vibration:	Protection provided via impact resistant housing exceeding MIL STD 810-C/D/E and TIA/EIA 603	
Dust and Humidity:	Protection provided via environment resistant housing exceeding MIL STD 810 C/D/E and TIA/EIA 603	
Operating temperature:	-20°C to +55°C	

PORTABLE MILITARY STANDARDS 810 C, D & E						
810C			810D		810E	
Applicable MIL-STD	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	1	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	1,2	506.2	1,2	506.3	1,2
Humidity	507.1	2	507.2	2,3	507.3	2,3
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	1,4	516.4	1,4

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

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

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