



**MOTOROLA**

TWO-WAY RADIOS

# GP388: The Small Versatile Radio

The GP388 is essential for growing organisations because of its unique versatility. When necessary, the radio can easily be programmed in the field to add or delete features. So, whether it's the harsh environment of a construction site or the elegance of an exclusive hotel, the radio of choice is the Versatile. It's the radio that grows with you.



## A wide array of features include:

- **Signalling**  
*The radio software encompasses Private Line™ and 5-tone selective signalling.*
- **Whisper**  
*Allows a user to speak quietly into a radio and still be heard clearly.*
- **Channel Scan**  
*Allows activity on different communications channels to be monitored and answered.*
- **Call Forward**  
*Allows calls to be forwarded to another radio user if you are unable to answer your calls personally.*
- **X-Pand™ Voice Compression and Low Level Expansion**  
*Crisp, clear and strong audio quality in virtually any noisy environment. Low level expansion allows further improvements in audio quality by reducing noise usually heard during pauses in conversation.*
- **User Information**  
*A 14-character alpha-numeric display contains a battery gauge and provides separate distinctive tones plus name decode for many incoming calls.*
- **Voice Operated Transmit (VOX)**  
*Hands free operation when used with Vox headset accessory.*
- **Ease of Use**  
*Simple menus and an alpha-numeric contact list make the full power of GP388 simple and intuitive to use.*
- **Emergency Signalling**  
*Sends a help signal to a pre-defined person or group of people.*
- **Status Calls**  
*Pre-defined text messages which allow the user to send meaningful messages without talking.*
- **Lone Worker**  
*Added security and safety for individuals who work remotely from their team. The radio enters emergency mode if the user does not respond to the warning signal.*



As Dedicated As You Are

# Professional Radio

# GP388 Portable Two-Way Radio Specifications

General Specifications	
Channel Capacity	255
Power Supply	Rechargeable battery 7.5v
Dimensions: H x W x D (mm)	Height excluding knobs
With standard high capacity Lilon battery	101.5 x 55.5 x 33.0
With ultra high capacity Lilon battery	101.5 x 55.5 x 38.0
Weight: (gm)	
With standard high capacity Lilon battery	265
With ultra high capacity Lilon battery	285
Average Battery Life @5/5/90 Cycle:	Low Power High Power
With standard high capacity Lilon battery	>9 hours >7 hours
With ultra high capacity Lilon 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

Portable 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	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

Transmitter	
*Frequencies - Full Bandsplit	VHF: 136-174 MHz UHF1: 403-470 MHz
Channel Spacing	12.5/20/25 kHz
Frequency Stability (-25°C to +55°C, +25° Ref.)	±2.5 ppm
Power	136-174: 1-5W 403-470: 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

Receiver	
*Frequencies - Full Bandsplit	VHF: 136-174 MHz UHF1: 403-470 MHz
Channel Spacing	12.5/20/25 kHz
Sensitivity (12 dB SINAD) EIA	.35 µV typical
Intermodulation ETS	-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

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

\*Availability subject to the laws and regulations of individual countries.

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

All specifications listed are typical. Radios meet applicable regulatory requirements.

Conforms to EC directive 89/336/EEC

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



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For exceptional performance, reliability and quality, Motorola Original accessories and batteries are the only options.



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