SPECIFICATION SHEET

MOTOROLA

GP380

One Radio. Endless Possibilities.

KEY FEATURES

Signalling
- Private Line™
- 5-tone selective signalling

Adaptable and versatile
- Option board expandability
- Easily programmed in the field to support additional features

Easy to use and set-up
- Programmable buttons for easy access to frequently used features
- Ruggedised design and compelling user interface
- Simple menus and alpha-numeric phonebook
- Full keypad allows easy telephone interconnect

Protecting users
- Emergency signalling
- Lone worker feature for staff working remotely
- Whisper mode for discreet communications
- Caller identification

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, escalating incoming call alert and missed calls list

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 GP380, one of the market-leading radios in Motorola's Professional Series, is an effective feature-packed communication solution for any organisation. The radio offers broad functionality; an easy-to-use menu with full keypad for productivity, whilst security features 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		
Channel Capacity	255	
Power Supply	Rechargeable battery 7.5v	
Dimensions: H x W x D (mm)	Height excluding knobs	
With Standard high capacity NiMH battery	137 x 57.5 x 37.5	
With ultra high capacity NiMH battery	137 x 57.5 x 40.0	
With NiCD battery	137 x 57.5 x 40.0	
With Li-Ion battery	137 x 57.5 x 33.0	
Weight: (gm)		
With Standard high capacity NiMH battery	428	
With Ultra high capacity NiMH battery	508	
With NiCD battery	458	
With Li-Ion battery	358	
Average battery Life @5/5/90 Cycle:	**Low Power**	**High Power**
With Standard high capacity NiMH battery	11 hours	8 hours
With Ultra high capacity NiMH battery	14 hours	11 hours
With NiCD battery	12 hours	9 hours
With Li-Ion	11 hours	8 hours

GENERAL SPECIFICATIONS (continued)	
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

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

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

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

MOTOROLA

Motorola Limited, EMEA Headquarters
Jays Close, Viables Industrial Estate, Basingstoke, RG22 4PD, UK
Telephone: +44 (0)1256 358211

www.motorola.com

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GP380-RE(08/06)

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