GP380

One Radio. Endless Possibilities.

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.

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

Specification Sheet

GENERAL SPECIFICATIONS

Channel Capacity	255	
Power Supply	Rechargeable battery 7.5V	
Dimensions H x W x D (mm) with:	Height excluding knobs	
High capacity NiMH battery	137 x 57.5 x 37.5	
Ultra high capacity NiMH battery	137 x 57.5 x 40.0	
NiCD battery	137 x 57.5 x 40.0	
Li-Ion battery	137 x 57.5 x 33.0	
Weight (gm) with:		
Standard high capacity NiMH battery	420	
Ultra high capacity NiMH battery	500	
NiCD battery	450	
Li-Ion battery	350	
Average battery life @ 5/5/90 Cycle with:	Low Power	High Power
High capacity NiMH battery	11 hours	8 hours
Ultra high capacity NiMH battery	14 hours	11 hours
NiCD battery	12 hours	9 hours
Li-Ion battery	11 hours	8 hours
Sealing:	Withstands rain testing per MIL STD 810 and IP54	
Shock and Vibration:	Protection provided via impact resistant housing exceeding MIL STD 810 and TIA/EIA 603	
Dust and Humidity:	Protection provided via environment resistant housing exceeding MIL STD 810 and TIA/EIA 603	
Operating temperature:	-30°C to +60°C	
Storage temperature:	-40°C to +85°C	

TRANSMITTER

*Frequencies - Full Bandsplit	LB1: 29.7-42 MHz LB2: 35-50 MHz VHF: 136-174 MHz VHF: 300-360 MHz UHF: 403-470 MHz
Channel Spacing	12.5 / 20 / 25 kHz
Frequency Stability (-30°C to +60°C, +25°C Ref.)	1.5 kHz @ 12.5 kHz 2.0 kHz @ 20/25 kHz
Power	29.7-42: 1-6W 35-50: 1-6W 136-174: 1-5W 403-470: 1-4W
Modulation Limiting	±2.5 @ 12.5 kHz ±4.0 @ 20 kHz ±5.0 @ 25 kHz
Conducted/Radiated Emission	-36 dBm <1 GHz -30 dBm > 1 ... 4 GHz
Adjacent Channel Power	-60 dB @ 12.5 kHz -70 dB @ 20/25 kHz

RECEIVER

*Frequencies - Full Bandsplit	LB1: 29.7-42 MHz LB2: 35-50 MHz VHF: 136-174 MHz VHF: 300-360 MHz UHF: 403-470 MHz
Channel Spacing	12.5 / 20 / 25 kHz
Sensitivity (20 dB SINAD)	0.50 µV typical / 12.5 kHz
Intermodulation	65 dB
Adjacent Channel Selectivity	60 dB @ 12.5 kHz 70 dB @ 20/25 kHz
Spurious Rejection	70 dB
Conducted Spurious Emission	-57 dBm <1 GHz -47 dBm > 1 ... 4 GHz

Portable Military Standards 810

Applicable MIL-STD	810C		810D		810E		810F		810G	
	Methods	Proc./Cat.	Methods	Proc./Cat.	Methods	Proc./Cat.	Methods	Proc./Cat.	Methods	Proc./Cat.
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	505.5	II
High Temperature	501.1	I, II	501.2	I/A1,II/A1	501.3	I/A1,II/A1	501.4	I/Hot,II/Hot	501.5	I/Hot A1, II/Hot (A1)
Low Temperature	502.1	I	502.2	I/C3,II/C1	502.3	I/C3,II/C1	502.4	I/C3,II/C1	502.5	I/C3,II/C1
Temp. Shock	503.1	-	503.2	I/A1C3	503.3	I/C1A3	503.4	I	503.5	I/C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III
Humidity	507.1	II	507.2	II	507.3	II	507.4	-	507.5	-
Salt Fog	509.1	-	509.2	-	509.3	-	509.4	-	509.5	-
Blowing Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I
Blowing Sand	-	-	510.2	II	510.3	II	510.4	II	510.5	II
Vibration	514.2	VIII/F, Curve-W	514.3	I/10,II/3	514.4	I/10,II/3	514.5	I/24	514.6	I/24
Shock	516.2	I, II	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.6	I, IV

Data is specified for +25°C unless otherwise stated

*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 R&TTE directive 1999/5/EC

ALT™ — Stringent Motorola Accelerated Life Testing simulating five years of hard use in real life. EIA RS-316B in Shock, Vibration, Dust, Humidity, IP54 for Sealing.

ISO 9001 — Compliance with ISO 9001 Standard on international quality system assurance on design, development, production, installation and servicing of a product.

MIL-STD 810 — Stamp of Approval from the U.S. Military for use in rough environments.

MOTOROLA ORIGINAL accessories — To ensure compliance with RF energy exposure standards and regulations, use only Motorola-approved batteries and accessories. Use of non-Motorola-approved batteries and accessories may result in RF energy exposure standards being exceeded.

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