

## KEY FEATURES

**Signalling**

- Fully compliant to MPT1327
- Includes MPT1343, RegioNet 43 and ANN dialling plan

**Adaptable and versatile**

- Compact model for greater portability
- Wideband and programmable channel spacing
- Easily programmed in the field to support additional features

**Easy to use and set-up**

- One touch dialling
- Programmable buttons for easy access to frequently used features
- Ruggedised design and compelling user interface
- Simple menus and alpha-numeric phonebook

**Quality**

- MIL Spec 810 compliant
- Meets IP54 environmental standards
- Passed Motorola Accelerated Life Test
- X-Pand™ voice compression technology

**Efficiency**

- Missed call alerts
- Dynamic regrouping
- Talk Group Select mode

**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*



# GP688

One Radio. Endless Possibilities.

The compact GP688, one of the market-leading radios in Motorola's Professional Series, is an effective feature-packed communication solution for any organisation on MPT networks. The intuitive menu with full keypad and display, together with one touch dialling and easy telephone interconnect, keeps users in touch to increase productivity.

Wide 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>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 33.0	
<b>With High capacity Li-Ion battery</b>	101.5 x 55.5 x 38.0	
<b>Weight: (gm)</b>		
<b>With Standard Li-Ion battery</b>	265	
<b>With High capacity Li-Ion battery</b>	285	
<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	

## TRANSMITTER

<b>*Frequencies - Full Bandsplit</b>	UHF 1: 403-470 MHz
<b>Channel Spacing</b>	12.5/20/25 kHz
<b>Frequency Stability (-25°C to +55°C, + 25°C Ref.)</b>	0.00025%
<b>Power</b>	Low: 1W High: 4W
<b>FM Hum &amp; Noise</b>	-40 dB typical
<b>Spurs/Harmonics</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>	UHF 1: 403-470 MHz
<b>Channel Spacing</b>	12.5/20/25 kHz
<b>Sensitivity (12 dB SINAD) EIA</b>	0.35 µV typical
<b>Intermodulation EIA</b>	-65 dB
<b>Adjacent Channel Selectivity</b>	60 dB @ 12.5 kHz 70 Db @ 25 kHz
<b>Spurious Rejection</b>	-70dB
<b>Rated Audio</b>	0.5W
<b>Image Rejections</b>	-70dB

## 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	2,3,6	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 for +25°C unless otherwise specified

\*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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For more information contact your local Motorola Authorised Two-Way Radio Dealer.

