

KEY FEATURES

Signalling

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

Easy to use and set-up

- Compact model for greater portability
- Programmable buttons for easy access to frequently used features
- Quick access to call selection
- Ruggedised design

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 for over the air configuration
- 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



GP644

Communication Made Easy.

The compact GP644, one of the market-leading radios in Motorola's Professional Series, is a simple communication solution for portable users on MPT networks requiring a high-quality radio. The GP644 is simple to use; featuring essential functionality to efficiently keep users in touch.

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

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 x 35.5	
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 IP 54	
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	

TRANSMITTER

*Frequencies - Full Bandsplit	UHF: 403-470 MHz
Channel Spacing	12.5/20/25 kHz
Frequency Stability (-30°C to +60°C, + 25°C Ref.)	0.00025%
Power	Low: 1W High: 4W
FM Hum & Noise	-40 dB typical
Spurs/Harmonics	-36 dBm <1 GHz -30 dBm >1 GHz
Audio Response (300-3000Hz)	+1 to -3 dB
Audio Distortion	<5% typical

RECEIVER

*Frequencies - Full Bandsplit	UHF 1: 403-470 MHz
Channel Spacing	12.5/20/25 kHz
Sensitivity (12 dB SINAD) EIA	0.35 µV typical
Intermodulation EIA	-65dB
Adjacent Channel Selectivity	60 dB @ 12.5 kHz 70 dB @ 25 kHz
Spurious Rejection	-70 dB
Rated Audio	0.5W
Image Rejection	-70dB

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

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.



Motorola Limited, EMEA Headquarters

Jays Close, Viabes Industrial Estate, Basingstoke, RG22 4PD, UK
Telephone: +44 (0)1256 358211

www.motorola.com

Motorola and the Stylised M Logo are registered in the U.S. Patent & Trademark Office.
All other product or service names are the property of their respective owners.
© Motorola, Limited 2006

GP644-RE(08/06)

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

