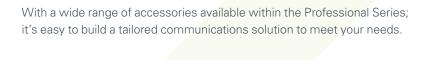


# **GP644**

## 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 highquality radio. The GP644 is simple to use; featuring essential functionality to efficiently keep users in touch.





### **Key Features**

#### Signalling

- Fully compliant to MPT1327
- Includes MP11343, 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 complian
- 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 clir
- Accessory dust cover
- User manual

#### Accessory options

A wide range of accessory options are

- Audio accessories
- Batteries and chargers
- Carry options

For full details of available accessories, please contact your local dealer or distributor

#### **Specification Sheet**

GENERAL SPECIFICATIONS						
Power Supply	Rechargeable battery 7.5V					
Dimensions H x W x D (mm) with:	Height excluding knobs					
Li-Ion battery	101.5 x 55.5 x 30	).5				
High capacity Li-Ion battery	101.5 x 55.5 x 35	5.5				
Weight (gm) with:						
Li-Ion battery	250					
High capacity Li-Ion battery	270					
Average battery life @ 5/5/90 Cycle with:	Low Power	High Power				
Li-Ion battery	>9 hours	>7 hours				
High capacity Li-Ion battery	>13 hours	>10 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	UHF: 403-470 MHz
Channel Spacing	12.5 / 20 / 25 kHz
Frequency Stability	1.5 kHz @ 12.5 kHz
(-30°C to +60°C, +25°C Ref.)	402 470· 1 4\A/
Modulation Limiting	±2.5 @ 12.5 kHz
	±4.0 @ 20 kHz
Conducted/Radiated Emission	±5.0 @ 25 kHz -36 dBm <1 GHz
	-30 dBm ≥ 14 GHz
Adjacent Channel Power	-60 dB @ 12.5 kHz
	-70 dB @ 20/25 kHz
RECEIVER	
*Frequencies - Full Bandsplit	UHF1: 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
	70 dB -57 dBm <1 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	1, 11	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	1	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	1	505.3	I	505.4	I	505.5	1		
Rain	506.1	1, 11	506.2	1, 11	506.3	1, 11	506.4	1, 111	506.5	1, 111		
Humidity	507.1	II	507.2	П	507.3	П	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	1		
Blowing Sand	-	-	510.2	П	510.3	П	510.4	П	510.5	II		
Vibration	514.2	VIII/F, Curve-W	514.3	1/10,11/3	514.4	I/10,II/3	514.5	1/24	514.6	1/24		
Shock	516.2	1, 11	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









MOTOROLA and the Stylised M Logo are registered in the US Patent & Trademark Office. All other product or service

For more information please contact your local Motorola Authorised Dealer or Distributor



GP644-RE\_UK(12/09)

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com