

Two-Way Radio

**GP3688**  
CONVENTIONAL  
PORTABLE



**MOTOROLA**  
intelligence everywhere™

# GP3688

*Easy Usage    Extended Features*



## **Key Attributes and Features**

### **64 Channels**

Organising of work teams into different talkgroups, an excellent tool for complex operations.

### **8-Character Alphanumeric & Icons Display**

Enable users to determine the radio's operating performance at a glance.

### **Crystal Clear Audio**

Exceptional audio design for that added communication edge.

### **Extended Talktime**

19 hr-talktime on low power and 14 hr-talktime on high power for greater productivity.

### **Battery Latch Lock Feature**

Keeps the power source firmly fastened to the radio and allows continuous communication.

### **Escalert**

Gradually increases volume of paging/alert tone. Ideal for discreet office settings, and yet loud enough for noisy environments.

### **Dual Priority Scan**

Enable users to constantly monitor & keep an update on the activities on two most commonly used communications channels so that messages will not be missed.

### **Voice Operated Transmission (VOX)**

Provides total handsfree for maximal productivity.

## **Programmable Features**

- High/Low Power
- Tight/Normal Squelch
- System Scan
- Repeater/Talkaround
- Monitor
- Sticky Permanent monitor



**64**  
Channels



**X-tended**  
Talktime



**Crystal Clear**  
Audio

### Ideal For:

#### Security

Call for backup with just a simple, one-button operation of the GP3688. Faster response to emergency situations and intruders means a job well done.

#### Hospitality

Get compliments, not complaints with prompt, proactive levels of services, thanks to the handy GP3688. Slim, easy to carry around and hands free operation enables staff to meet guest's demands quickly.

#### Manufacturing

Coordination with many people, even across different plants, can be done easily and quickly with the GP3688. Its extended talktime will easily last beyond 12-hour shift.

#### Construction

A harsh environment requires a hardy radio. The GP3688 meets stringent Military Standards 810C, D, E and F for durability; and loud 500mW speaker ensures clear audio even in high noise environments.

### Enhance Your Radio's Capabilities

A comprehensive range of accessories is available to suit your needs. With the right combinations of batteries, headsets, carry cases and antenna, it can increase your operational productivity and comfort tremendously. Motorola original accessories are built with the highest quality standards and are specially engineered to ensure maximum performance of your radio.

### GP3688 Specifications \*

General	UHF	
Frequency	403-440	
Channel capacity	64 channels	
Power supply	7.5V±20%	
Dimensions (without belt clip and antenna)		
With NiCd/extended Lilon	126.5mm (H) x 61.5mm (W) x 45mm (D)	
With standard NMH	126.5mm (H) x 61.5mm (W) x 43mm (D)	
With slim Lilon	126.5mm (H) x 61.5mm (W) x 42mm (D)	
Weight (without belt clip and antenna)		
With extended Lilon	379g	
With slim Lilon	378g	
With standard NMH	440g	
With NiCd	431g	
Average Battery Life@ 5-5-90 Duty Cycle	Hi Power (4W)	Low Power (1W)
With extended Lilon	14hrs	19hrs
With slim Lilon	12hrs	17hrs
With standard NMH	10hrs	13hrs
With NiCd	8hrs	10hrs
Receiver†	UHF 12.5 kHz	UHF 20/25kHz
Frequency	403-440	
Sensitivity 12dB EIA SINAD	0.25µV	
Adjacent Channel Selectivity	-60dB	-70dB
Intermodulation	-70dB	
Frequency Stability (-30°C to +60°C)	0.00025%	
Spur Rejection	-75dB	
Hum and Noise	-45dB@12.5kHz -50dB@25kHz	
Image and 1/2 I-F Rejection	-70dB	
Audio Output @ < 5% Distortion	500mW	
Transmitter	UHF	
Frequency	403-438	
Channel Spacing	12.5/20/25kHz	
Frequency Stability (-30°C to +60°C)	0.00025%	
Spurs/Harmonics	-36 dBm < 1GHz -30 dBm > 1GHz	
Audio Response (from 6dB/oct. Preemphasis, 300 to 3000Hz)	+1, -3dB	
Audio Distortion @1000Hz, 60% Rated Max. Dev.	<3%	
FM Noise	-40dB (12.5KHz) -45dB (25KHz)	
FCC Modulation 20/25 kHz	16K0F3E & 11K0F3E	

\* Availability subject to country's laws and regulations. Radios meet applicable regulatory requirements.  
All specifications subject to change without notice.  
Specifications are not representative of all radios and may vary in different radios.  
† All RF readings are typical.

### Accessories #

#### Batteries

**Slim Lilon Battery,  
1600mAh**  
NNTN4970A

**Standard NiMH Battery,  
1400mAh**  
NNTN4851A

**Extended Lilon Battery,  
1800mAh**  
NNTN4497AR

**NiCd Battery, 1100mAh**  
NNTN4496AR

#### Single & Multi Unit Chargers

**Desktop Rapid Charger w/US NA Plug**  
WPLN4138\_R

**Desktop Rapid Charger w/Euro Plug**  
WPLN4139\_R

**Desktop Rapid Charger w/UK Plug**  
WPLN4140\_R

**Rapid Charger MUC 120V w/US Plug**  
WPLN4161AR

**Rapid Charger MUC 220V w/Euro Plug**  
WPLN4162AR

**Rapid Charger MUC 220V w/UK Plug**  
WPLN4163AR

# Motorola carries a wide range of audio and carrying solution. Please refer to specified accessories brochures for more information.



Stringent Motorola Accelerated Life Testing simulating five years of hard use in real life. EIA R5-3168 in Shock, Vibration, Dust, Humidity, IP54 for Sealing.



Stamp of Approval from the U.S. Military for use in rough environment.



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



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**MOTOROLA** Nothing Works  
Like A Motorola  
**ORIGINAL** Original Accessory  
accessories

