



EASY USAGE, EXTENDED FEATURES

GP3688 CONVENTIONAL PORTABLE TWO-WAY RADIO



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

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 service, 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 810 C, D, E and F for durability; and loud 500mW speaker ensures clear audio even in high noise environments.

GP3688 SPECIFICATIONS*

General	UHF	
Frequency	403-440MHz	
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	403-440MHz	
Sensitivity 12dB EIA SINAD	0.25µV	
Adjacent Channel Selectivity	-65dB	-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	403-438MHz
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
Audi 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.



Accelerated Life Testing
Stringent Motorola Accelerated Life Testing simulating five years of hard use in real life.



MIL-STD 810C, D and E
Stamp of approval from the U.S. Military for use in rough environments.



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



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.

ACCESSORIES‡

BATTERIES

NNTN4851A	Standard NiMH Battery, 1400mAh
NNTN4970A	Slim Lilon Battery, 1600mAh
NNTN4497AR	Extended Lilon Battery, 1800mAh
NNTN4496AR	NiCd Battery, 1100mAh

SINGLE & MULTI UNIT CHARGERS

WPLN4138_R	Desktop Rapid Charger w/US NA Plug
WPLN4139_R	Desktop Rapid Charger w/Euro Plug
WPLN4140_R	Desktop Rapid Charger w/UK Plug
WPLN4161AR	Rapid Charger MUC 120V w/US Plug
WPLN4162AR	Rapid Charger MUC 220V w/Euro Plug
WPLN4163AR	Rapid Charger MUC 220V w/UK Plug

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



NNTN4970A
Slim Lilon Battery



PMMN4008
Remote Speaker Microphone



HMN9021A
Medium Weight Dual-Muff Headset with Swivel Mic



PMLN4442
Earbud with In-line Mic/PTT/VOX switch



RLN5238A
Sports-Style Headset with inline PTT



PMLN4443
Receiver with In-line Mic/PTT/VOX switch



PMLN4445
Ultra-light headset with Boom Mic & In-line PTT/VOX switch



BDN6646C
Ear Microphone with PTT Interface Module



PMLN4294
Earbud with Mic & PTT



PMLN4606A
2 Wire Surveillance Kit with Clear Acoustic Tube



PMLN4425
Earset with Ring PTT

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