

TECHNICAL SPECIFICATION

General	VHF		UHF	
*Frequency Range	136-174MHz		350-390MHz, 403-440MHz, 435-480MHz	
Memory Channels	99			
Operating Temperature Range	-30° to +60° C (Radio) -20° to +60° C (with NiMH battery)			
Dimensions (H x W x D) † Standard Capacity NiMH	115.5mm x 56mm x 35mm (38mm top)			
Weight † Standard Capacity NiMH	350g			
Average Battery Life @ 5 - 5 - 90 Duty Cycle † Standard Capacity NiMH	High Power 5W > 8 hours	Low Power 1W > 11 hours	High Power 4W > 8 hours	Low Power 1W >11 hours
Sealing	Passes rain testing per IPX4 (EN60529:1991)			
Shock & Vibration	Diecast with impact resistant polycarbonate housing, passes EIA RS - 316B			
Dust & Humidity	Weather resistant housing passes EIA RS -316B			
Display digits with backlight	8			
Transmitter	VHF		UHF	
RF Output	High Power 5W	Low Power 1W	High Power 4W	Low Power 1W
Channel Spacing	12.5 / 25 kHz			
Frequency Stability	± 2.5ppm			
Modulation Limiting	+ / - 5kHz (25kHz) ; + / - 2.5kHz (12.5 kHz)			
Audio Response (from 6dB/oct. Pre-Emphasis, 300 to 3000Hz)	+1, -3dB			
Audio Distortion @ 1kHz tone, 60% rated max dev.	<5%			
FM Hum & Noise	40dB			
Receiver	VHF		UHF	
Channel Spacing	25kHz	12.5kHz	25kHz	12.5kHz
Sensitivity (12dB SINAD)	0.25µV			
Audio Distortion	<5%			
Hum and Noise	40dB			
Audio Output @ <5% Distortion (7.5V / room temperature)	500mW into 24Ω			

† Standard Capacity NiMH (hi-cap) battery.
* Availability subject to country's law and regulations.
All specifications shown are typical and subject to change without notice.

ACCESSORIES FOR GP2000



PPMN4008 -
Remote Speaker
Microphone



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



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



PMLN4444 -
Earset with
In-line PTT/VOX
switch **



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



PMTN4088 -
Portable Desktop
Charger



PMLN4468
PMLN4469 -
Holster Case



4285820Z01 -
Light Duty
Shoulder Strap



PMNN4063/
PMNN4061 -
High Cap NiMH
Batteries (order belt
clip separately)

Additional GP2000 FEATURES

- Prime Channel
- Talk Around
- Busy Channel Lockout
- Nuisance Channel Delete
- Low Battery Alert
- Channel Alias
- 12.5/25 kHz Channel Spacing
- Coded Squelch
- Priority Scan
- 3 Scan Lists (each with priority channel)
- Selective Call
- Backlight Setting (auto/toggle)
- Receive-only Channel
- Adjustable Squelch Level
- Time-Out Timer (from 0 to 10 minutes)

Portable Military Standards 810, C D and E		
Applicable MIL-STD	Methods	Procedures
High Temperature	501.3	1
Low Temperature	502.3	1 & 2
Temperature Shock	503.3	1
Solar Radiation	505.3	1
Humidity	507.3	3
Salt Fog	509.3	1
Dust	510.3	1
Vibration	514.4	1

** The PTT/VOX switch functionality depends on radio software capability.



Motorola Electronics Pte Ltd
MIC Level 7, 12 Ang Mo Kio Street 64
Ang Mo Kio Industrial Park 3, Singapore 569088
www.motorola.com/governmentandenterprise

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AC3-04-012 Rev.5



Stringent Motorola
Accelerated Life Testing
simulating five years of hard
use in real life. EIA RS-316B
in Shock, Vibration, Dust,
Humidity, IP54 for Sealing.

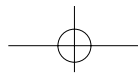


Compliance with ISO 9001
Standard on international quality
system assurance on design,
development, production,
installation and servicing of a
product.



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





SPECIFICATION SHEET



GP2000 Portable Radio

OPERATIONAL EFFICIENCY AT MINIMAL COST

The Motorola's GP2000 is sleek and compact for portability, yet packed with advanced features for added value.

Equipped with a Handsfree Earpiece, the new GP2000 offers convenience, audio clarity and privacy to users in diverse applications, such as manufacturing, hotels, retail and other service industries.

EASY-TO-USE FEATURES THAT BOOST PRODUCTIVITY

Compact, Lightweight and Ergonomically Designed

Designed to be held comfortably, the channel knob is replaced by an easy-to-use navigation button that allows you to quickly scroll through the user channels.

Front Panel Programming

Large front panel buttons facilitate easy programming of the several radio functions. Customise and reset your radio profiles while on the go without the need for additional equipment.

User-friendly Navigation

With two navigation buttons, users can simply scroll through the radios menu. The four programmable buttons allow you to assign up to eight commonly-used features, providing even greater convenience at your fingertips.

Private Lines

Set up talkgroups/users with unique Private Lines / Digital Private Lines (DPL) to prevent unwanted conversations on the same frequency. The GP2000 has 3 PLs more than the industry standard.

Battery Saver Feature

With 3 power levels - Economy Low, Low and High, the GP2000 allows flexible user control over the battery operational efficiency. Using Economy Low when communicating in close proximity allows users to save on battery use extending talktime by up to 6 hours.



Radio shown with PMLN4442

Key Features

- 99 Channels
- Front Panel Programming
- Long Battery Life
- Compact, lightweight & ergonomically designed
- 12.5125 kHz Channel Spacing

GP2000

Modern, Efficient with Exceptional Value

99 Channels

Allows the organising of work teams into talk groups, increasing the flexibility of your radio. The channel button is located in the front of the radio, providing quick and easy access to the different talk groups.

8-digit Alpha-Numeric & Iconic Display

Iconic battery and signal strength indicators enable you to determine the radio's operating performance at a glance. Text and number displays such as channel alias and frequency number, provide critical information for your operation.

Long Battery Life

Allows you to enjoy up to 8 hours of talktime without the need to charge or carry additional batteries during a typical 8-hour work shift.