

# GP2000

Alpha Series  
Portable Radio



**MOTOROLA**  
intelligence everywhere™

# GP2000

*Modern, Efficient with Exceptional Value*



## Key Features

- 99 Channels
- Front Panel Programming
- Long Battery Life
- Compact, lightweight & ergonomically-designed
- 12.5/25 kHz Channel Spacing

## 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

### 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.



### 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.



### 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.



Radio shown with PMLN4442

### 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.



### 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.



### User-friendly Navigation

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



### 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.



### Additional GP2000 Features

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

### Other Accessories

PMLN4468  
PMLN4469  
Holster Case



PMLN4444  
Boom Mic with Earset  
PTT/VOX switch \*\*



4285820Z01  
Light Duty  
Shoulder Strap

PMLN4442A  
Earbud with In-line  
Mic/PTT/VOX Switch \*\*

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

General	VHF		UHF	
*Frequency Range	136 – 174 MHz		403 – 440 MHz	435 – 480 MHz
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	<b>High Power</b> 5W 8 hours	<b>Low Power</b> 1W 11 hours	<b>High Power</b> 4W 8 hours	<b>Low Power</b> 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	<b>High Power</b> 5W	<b>Low Power</b> 1W	<b>High Power</b> 4W	<b>Low Power</b> 1W
Channel Spacing	12.5 / 25 kHz switchable			
Spurs and Harmonics	63dB			
Frequency Stability	± 2.5ppm			
FM Hum and Noise	40dB			
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%			
Receiver	VHF		UHF	
Channel Spacing	25 kHz	12.5 kHz	25 kHz	12.5 kHz
Sensitivity (12dB SINAD)	0.25µV			
Selectivity (EIA)	65dB	60dB	65dB	60dB
Intermodulation (EIA)	65dB	60dB	65dB	60dB
Spurious Rejection	65dB	60dB	65dB	60dB
Audio Distortion	<5%			
Hum and Noise	40dB			
Conducted Emission	-57dBm			
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.



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



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