



Tired of finding ways to boost productivity and yet keep costs to a minimum?

Motorola GP2000 Alpha Series Radio

Modern Efficient with Exceptional Value

Motorola's GP2000 Alpha Series Radio - the exciting two-way radio solution that enhances operational efficiency at exceptionally cool prices!

The GP2000 radio is compact and ergonomically-designed for greater portability. Feature-rich yet affordable, the GP2000 is ideal for businesses to stay in touch with their mobile staff and be in control of their operations.

The GP2000 is efficient and easy-to-use with front-panel programming and user-friendly navigation buttons. It also provides clear audio quality through an audio-enhancement feature that allows users to manually adjust to the desired squelch level. Ideal for communication in high noise environments.

Confident Performance

An invaluable asset for your operations, the GP2000 is cost-effective and comes with Motorola's reliability and quality standards that you can trust for a job well done.

Ideally suited for hospitality, service, manufacturing and construction industries, the lightweight GP2000 workhorse gives you the confidence to move faster and with greater efficiency.

Easy-To-Use Features That Boost Productivity

Motorola's GP2000 two-way radio offers a wide range of features that helps you manage and control your operations with ease.

Compact, lightweight and ergonomically-designed

Motorola's GP2000 two-way radio is designed with a modern, ergonomic style that facilitates better handling. The channel knob is replaced with an easy-to-use navigation button that allows you to quickly scroll through the user channels.

99 Channels

Ideal for operations with a wide group of users, the GP2000 enables you to assign your work teams into 99 talk groups. The channel button located at the front of the radio, provides easy and quick access to the different talk groups.

Front Panel Programming

Easily programmable functions through its front panel buttons. This feature allows you the flexibility of customising and re-setting your radio profile while in the field - without relying on programming equipment such as computers, cables and power supplies.

Average Battery Life of 8 hours @ 5-5-90 duty cycle

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.

Unique Features

Compact, lightweight & ergonomically-designed

99 Channels

Front Panel Programming

Average Battery Life of 8 hours

Private Lines

Additional Features

Talk Around

3 Scan Lists

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 mins)



Private Lines

Set up your talkgroups/users with unique Private Lines (PL) / Digital Private Lines (DPL) to prevent unwanted conversations on the same frequency. The GP2000 has 3 PLs more than the industry standard – enabling further customisation of your communication.

Battery Saver Features

The GP2000 offers 3 power levels - Economy Low, Low and High. When communicating in close proximity, the Economy Low option allows users to save on battery use; extending talktime by up to 6 hours. Using the High power level allows users to enjoy wider communication coverage.

In addition, the GP2000 offers normal and enhanced battery saver modes; conserving vital battery power when idle for a specific period of time.

User-friendly Navigation

With two navigation buttons, you can easily scroll through the radio's menu. The four programmable buttons allow you to assign up to eight commonly-used features - giving 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, provides critical information for your operations.

Prime Channel

The GP2000 enables you to set your frequently-used channel as your prime channel. You can now directly access your specified channel and return to your prime channel - all at a push of a button. This feature can also be programmed to automatically return to the prime channel after a specified time lapse - saving you valuable time.

Priority Scan

Monitor the activity on your priority channel more frequently than any other channel - so that you can keep watch on that channel's activities and not miss out on critical information.

Additional GP2000 Features

- › 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)

Why Two-way Communication?

Companies with people on the move need two-way radios. Realise the benefits of two-way radios.

- › Contact people who are mobile and at different locations
- › Talk simultaneously to a group of people at a simple push of a button
- › Respond quickly in emergency situations

Increase Productivity

With the ability for one-to-many communication with just a simple push of a button, two-way radios allow staff to keep in touch with one another while on the move - providing vital information to the right person at the right time - instantly.

Cost-savings

Unlike cellular telephones, two-way radios are not billed on airtime basis –providing you an economical communication solution for your operations.



Who Should Use GP2000?

Hospitality & Service Industries

The GP2000 is compact, lightweight and highly portable—ideal for the fast-moving pace of this industry. It is ergonomically-designed and efficient –providing your customers with world-class hospitality and customer service.

- › Coordinate inter-department operations
- › Contact key personnel instantly for critical decisions
- › Enhance operational resource allocation and logistics
- › Improve guest and property security



Manufacturing

Keep your production line going. The GP2000's clear audio enables communication in noisy plant conditions. Its wide coverage improves teamwork and cooperation with increased productivity to your bottom line.

- › Instantly communicate changes in the production process
- › Reduce downtime through equipment breakdown alerts
- › Better management and coordination of staff and resources
- › Enhance plant safety and security with fast response to emergencies



Construction

Better manage your work site, staff and resources with the highest levels of efficiency and safety. The GP2000 is rugged and compact - ideal for the harsh environment of the worksite.

- › Coordinate on-site manpower and resource deployment
- › Instant access to project supervisors and architects for quick decisions
- › Enhance work site security; minimising theft and accidents
- › Improve staff safety through better monitoring of hazardous operations





Enhance Your Radio's Capabilities

The GP2000 two-way radio is compatible with Motorola's new ergonomically-designed and cost effective MAG ONE accessories series as well as existing GP68 accessories.

A comprehensive range of accessories is available so that the GP2000 two-way radio can be customised to suit your needs. Adding proper headsets, microphones, batteries, chargers or carrying cases can enhance your operational productivity. Motorola's accessories are built with the highest quality standards and are specially engineered to ensure maximum performance of your radio, no matter what business you're in.

Battery

PMNN4046_R - NiMH Hi Cap battery

Slow Rate Wall Adapters (plug directly to radio)

PMTN4053 - Slow rate (16 hr), US 2 Pin, 110V
 PMTN4047 - Slow rate (16 hr), EU 2 Pin, 230V
 PMTN4052 - Slow rate (16 hr), UK 3 Pin, 230V

Rapid Rate Charger

PMTN4048 - Rapid Charger (90min), US 2 Pin 110V
 PMTN4049 - Rapid Charger (90min), EU 2 Pin 230V
 PMTN4050 - Rapid Charger (90min), UK 3 Pin 230V

Audio Accessories

PMLN4294 - Earbud with Microphone/PTT
 PMLN4425 - Earset Boom Mic with Ring PTT
 PMLN4442 - Earbud with in-line Microphone & PTT/VOX switch (MAG ONE)
 PMLN4443 - Ear Receiver with in-line Microphone & PTT/VOX switch (MAG ONE)
 PMLN4444 - Earset Boom Mic with in-line PTT/VOX switch (MAG ONE)
 PMLN4445 - Ultra-light Headset with in-line PTT/VOX switch (MAG ONE)
 PMMN4008 - Remote Speaker Microphone (MAG ONE)

Carrying Accessories

PMLN4467 - Carrying Case, Soft Leather Black
 PMLN4468 - Holster Case, Neoprene Grey
 PMLN4469 - Holster Case, Neoprene Blue
 4285820201 - Light Duty Shoulder Strap
 HLN9844 - Spring Belt Clip, 1.5 inch belt width
 JMZN4020 - Radio Handstrap
 RLN4815 - Universal Radio Pak

Availability subject to change without notice.



Earbud with Mic & PTT/VOX switch



Ear Receiver with Mic & PTT/VOX switch



Earset Boom Mic with PTT/VOX switch



Unique PTT/VOX switch



PMLN4468
PMLN4469



PMLN4467

GP2000 Specifications				
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	350g			
† Standard Capacity NiMH	350g			
Average Battery Life @ 5 - 5 - 90 Duty Cycle	High Power	Low Power	High Power	Low Power
	5W	1W	4W	1W
† Standard Capacity NiMH	8 Hours	11 Hours	8 Hours	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	Lower Power	High Power	Lower Power
	5W	1W	4W	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 (12.5kHz)			
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

ALT™ Accelerated Life Testing
 Stringent Motorola Accelerated Life Testing simulating five years of hard use in real life, EIA RS-316B in Shock, Vibration, Dust, Humidity, IPX4 for Sealing.

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.

AC1304011 Rev-1

Contact our dealer for more information

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