

***GP329 PLUS & GP339 PLUS
PROFESSIONAL PORTABLE RADIOS***

*MOTOROLA
GP329 PLUS AND GP339 PLUS*

THE SMALL AND COMPACT GP329 PLUS RADIO

The GP329 Plus radio is the simple two-way radio solution for professionals who need to stay in contact. The GP329 Plus can easily increase productivity by keeping users communicating, yet streamlines their radio use allowing them to concentrate on the job at hand. With the compact radio, communication couldn't be easier.

THE SMALL VERSATILE GP339 PLUS RADIO

The GP339 Plus is essential for growing organisations because of its unique versatility. When necessary, the radio can easily be programmed in the field to add or delete features. So, whether it's the harsh environment of a construction site or the elegance of an exclusive hotel, the GP339 Plus radio is the versatile choice which grows with you.

GP329 PLUS AND GP339 PLUS SELECT V KEY FEATURES AND BENEFITS

• 5-tone Selective Signalling Standards

The radio software encompasses Private Line and 5-tone selective signaling which include ZVEI, Modified ZVEI, French Modified ZVEI, 20ms CCIR, 70ms CCIR, 100ms CCIR and EEA signaling system, that enhance productivity. These radios also offer users the flexibility to program their own "user-defined" signaling standards into the radio.

• Clean Crisp Audio Quality

As with any radio, sound quality is critical for effective communications. The GP series of radios can be heard in almost any environment because of Motorola's unique technology of voice compression called X-PAND™. Audio quality is crisp, clear and strong, allowing you to keep communicating, in virtually any noisy environment.

• Voice Operated Transmit (VOX)

The built-in voice-activated feature (VOX) enables user to operate in a hands-free environment. The user simply speaks and the radio will immediately transmit their message without pressing the push-to-talk button through the VOX compatible audio accessories.

• Intrinsically Safe Equipment

Motorola's GP329 Plus and GP339 Plus are designed to be intrinsically safe to use in hazardous atmosphere by the US Factory Mutual Standard, in Division 1, Classes I, II, III, Groups CDEFG and Nonincendive, Division 2, Class I, Groups ABCD.

• Orange Emergency Button

An orange-coloured dedicated emergency button is designed for emergency use and once it is pushed, a 'help' signal will automatically be sent to a pre-defined person or group of people until acknowledged to ensure the user safety.

• Lithium Ion Battery as Standard

Packed as standard the lithium ion battery significantly lightens the weight of the radio with out compromising talk time.



BUILT TO MEET MILITARY SPECIFICATIONS

The GP Plus Series are commercial quality radios which has been tested to MIL810 (C,D and E) Military Specification Standards including temperature extremes, solar radiation, rain, humidity, salt fog, dust, vibration and shock. These tests were conducted subject to specific military procedures.

GP329 PLUS

- **LONE WORKER**

Added security and safety for individuals who work remotely from their team. The radio enters emergency mode if the user does not respond to the warning signal.

- **TALKAROUND**

Freedom to communicate utilising a system or dispatcher for wide area coverage, or bypass and talk directly to another unit for easy local unit-to-unit communications.

- **CHANNEL SCAN**

Allows activity on different communications channels to be monitored and answered.

- **WHISPER**

Allows a user to speak quietly into a radio and still be heard clearly.

- **CALL FORWARD**

Allows calls to be forwarded to another radio user if you are unable to answer your calls personally.

- **PROGRAMMABLE CHANNEL SPACING**

Programmable channel spacing, 12.5/20/25 kHz offers flexibility and easy migration of channel spacing.

- **ADJUSTABLE POWER LEVELS**

Allows you control over your radio usage optimises coverage and conserves battery consumption.



GP339 PLUS

Building upon the features of the GP329 Plus, the GP339 Plus has the following additional features:

- **DUAL TONE MULTI FREQUENCY (DTMF) CAPABILITY**

With the 3x4 keypad, the radio can send out DTMF codes in both the radio system and the telephone network.

- **USER INFORMATION AND ICON DISPLAY**

Equipped with the easy to read 14-character alphanumeric dot matrix text display, you are able to identify the caller and radios' operating status by just one glance on the LCD.

- **NAME TAGGING**

Capable of assigning visual caller-ID to 8 specific users/talkgroups.

- **BATTERY STRENGTH INDICATOR**

When equipped with LCD display, users will be warned on low battery strength through the LCD display indicator.

- **MENU**

User can select function through easy to navigate menu keys.

- **CONTACT LIST**

Enables users to access up to 100 pre-programmed numbers; displayed either in alphabetic or numeric formats. A total of nine tones can be tagged to the pre programmed numbers providing caller – identification.



- **BACKLIGHT**

Enhanced ease of use with backlight illuminating the radio display, keypad and menu navigation keys – programmable to be permanently switched on, off or switched on for a timed period.



everybody

ACCESSORIES

ENHANCE YOUR RADIO CAPABILITIES

There is a wide range of accessories available to suit your needs. Adding genuine Motorola headsets, microphones, batteries, charger or carrying cases can enhance your operational productivity. Motorola's accessories are built to high quality standards and are specially engineered to ensure maximum performance of your radio, no matter what business you are in.

Battery & Charger



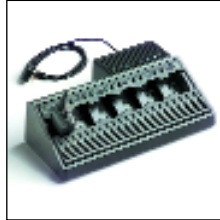
Slim & Hicap Lilon Batteries



FM NiMH Battery



Single Rapid Charger



Multi-Unit Rapid Charger

Audio Accessories



Surveillance Kit with Clear Acoustic Earpiece



Clear Acoustic Earpiece



Earbud with Microphone/PTT



Accessory Adaptor



Light Weight Headset



Remote Speaker Microphone with D-Shell Earpiece



VOX/PTT Interface Module shown with Ear Microphone



Heavy Duty Headset

Carrying Accessories



Soft Leather Case with Swivel Clip**

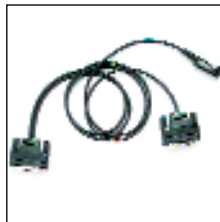


Nylon Case with Swivel Clip**



Soft Leather Case with Swivel Clip

Service Aids



Programming Cable



Earpiece/Earset



2-wire Surveillance



3-wire Surveillance



Accessory adaptor to be used with 3.5mm threaded range of audio accessories.

dy's in touch

** Recommend for non-keypad models. Part number varies as per in country specifications.

GP329 PLUS & GP339 PLUS SPECIFICATIONS

| GENERAL SPECIFICATION | VHF/UHF |
|---|---|
| * Frequency (MHz) | 136-174 / 403-470 / 450-527 |
| Channel Capacity | GP329 Plus is 16 Channels, GP339 Plus is 255 Channels |
| Power Supply | Provided through rechargeable battery - 7.5V |
| Dimensions (Radio footprint height excluding knobs) | Height x Width x Depth |
| With Lilon (Slim) Battery: | 101.5mm x 55.5mm x 33mm |
| With Lilon (Hicap) Battery: | 101.5mm x 55.5mm x 38mm |
| Weight | GP329 Plus GP339 Plus |
| With Lilon (Slim) Battery: | 250g 265g |
| With Lilon (Hicap) Battery: | 270g 285g |
| Average Battery Life @ 5/5/90 Cycle | |
| With Lilon (Slim) Battery: | 10 hours @ Low Power, 7 hours @ High Power |
| With Lilon (Hicap) Battery: | 14 hours @ Low Power, 10 hours @ High Power |
| Sealing | Withstands rain testing per MIL-STD 810 C/D/E and IP54 |
| Shock and Vibration | Protection provided via impact resistant housing exceeding MIL-STD 810 C/D/E and TIA/EIA 603 |
| Dust and Humidity | Protection provided via environment resistant housing exceeding MIL-STD 810 C/D/E and TIA/EIA 603 |

| TRANSMITTER SPECIFICATION | VHF/UHF |
|---|--|
| * Frequency (MHz) | 136-174 / 403-470 / 450-527 |
| Frequency Separation | Full bandsplit |
| Channel Spacing | 12.5/20/25kHz |
| Freq Stability (-30°C to 60°C, +25°C Ref.) | 2.5ppm |
| Power | 5W (VHF), 4W (UHF) |
| Modulation Limiting | ±2.5 @ 12.5kHz, ±4.0 @ 20kHz, ±5.0 @ 25kHz |
| FM Hum & Noise | -40dB |
| Conducted/Radiated Emission | -36dBm < 1GHz / -30dBm > 1GHz |
| Modulation FCC Type | 12.5kHz 11K0F3E, 25kHz 16K0F3E |
| Audio Response (from 6 dB/octave pre-emphasis 300-3000Hz) | +1 to -3dB |
| Audio Distortion | 3% |

| RECEIVER SPECIFICATION | VHF/UHF |
|------------------------------|---|
| * Frequency (MHz) | 136-174 / 403-470 / 450-527 |
| Frequency Separation | Full bandsplit |
| Sensitivity (12dB SINAD) EIA | .25µV |
| Intermodulation (EIA) | 70dB |
| Adjacent Channel Selectivity | 60dB @ 12.5kHz, 70dB @ 25kHz |
| Spurious Rejection | 70dB |
| Rated Audio | 500mW |
| Audio Distortion | 3% |
| Hum & Noise | -40dB @ 12.5kHz, -50dB @ 25kHz |
| Audio Response (300-3000Hz) | +1 to -3dB |
| Conducted Spurious Emission | -57dBm < 1Ghz, -47dBm > 1Ghz, FCC Part 15 |

| Portable Military Standards 810, C D and E | | | | | | |
|--|---------|------------|---------|------------|---------|------------|
| | 810 C | | 810 D | | 810 E | |
| | Methods | Procedures | Methods | Procedures | Methods | Procedures |
| Applicable MIL-STD | | | | | | |
| Low Pressure | 500.1 | 1 | 500.2 | 2 | 500.3 | 2 |
| High Temp | 501.1 | 1, 2 | 501.2 | 1, 2 | 501.3 | 1, 2 |
| Low Temp | 502.1 | 1 | 502.2 | 1, 2 | 502.3 | 1, 2 |
| Temp. Shock | 503.1 | 1 | 503.2 | 1 | 503.3 | 1 |
| Solar Radiation | 505.1 | 1 | 505.2 | 1 | 505.3 | 1 |
| Rain | 506.1 | 1, 2 | 506.2 | 1, 2 | 506.3 | 1, 2 |
| Humidity | 507.1 | 2 | 507.2 | 2, 3 | 507.3 | 2, 3 |
| Salt Fog | 509.1 | 1 | 509.2 | 1 | 509.3 | 1 |
| Dust | 510.1 | 1 | 510.2 | 1 | 510.3 | 1 |
| Vibration | 514.2 | 8, 10 | 514.3 | 1 | 514.4 | 1 |
| Shock | 516.2 | 1, 2, 5 | 516.3 | 1, 4 | 516.4 | 1, 4 |



Visit us at www.motorola.com/cgiss/AP
 MOTOROLA, THE Stylized M Logo and GP329 Plus and GP339 Plus are registered in the U.S. Pat. & Tm. Office. All rights reserved. All other product or service names are the property of their respective owners.

© 2004 Motorola, Inc.

GP329/339Plus.01.Aust.July-04.

For more information, please contact:

* Availability subject to country law and regulations. Specifications subject to change without notice. All specifications shown are typical. Radios meet applicable regulatory requirements.

One-Year Warranty
 Each Motorola radio is backed by a one-year warranty on radio parts and labour.

Accelerated Life Testing
 Motorola's Accelerated Life Testing simulates five years of hard use in real life, EIA RS-316B in Shock, Vibration, Dust, Humidity, IP54 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.