

**ACCESSORISE AND ENHANCE YOUR RADIO'S CAPABILITIES**

A comprehensive range of accessories is available so that Motorola's GP Professional Radio series for Select V can be customised to suit your unique applications. Boost your productivity today by adding the proper headsets, microphones, batteries, chargers or carry cases.

Motorola accessories are built with the highest quality standards and are specially engineered to ensure maximum performance for your radio, no matter what profession you're in.

**KEY ACCESSORIES**



Light Weight Head Set  
AZRMN4018

NiMH Battery & Belt Clip  
PMNN4008

Carry Case  
HLN9701



Multi-unit Charger  
PMTN4028

Rapid-rate Desktop Charger  
PMTN4025

Remote Speaker Microphone  
PMMN4002

**GP329 & GP339 Specifications**

GENERAL -VHF, UHF					
*Frequency:	136-174 / 403-470 / 450-527				
Channel Capacity:	GP329 is 16 Channels		GP339 is 255 Channels		
Power Supply:	Provided through rechargeable battery - 7.5V				
DIMENSIONS:	H	x	W	x	D (Radio footprint height excluding knobs)
With Standard High Capacity NiMH Battery:	137mm	x	57.5mm	x	37.5mm
With Ultra High Capacity NiMH Battery:	137mm	x	57.5mm	x	40.0mm
With NiCD Battery:	137mm	x	57.5mm	x	40.0mm
With Lilon Battery:	137mm	x	57.5mm	x	33.0mm
WEIGHT:	GP329	GP339			
With Standard High Capacity NiMH Battery:	420 gm	428 gm			
With Ultra High Capacity NiMH Battery:	500 gm	508 gm			
With NiCD Battery:	450 gm	458 gm			
With Lilon Battery:	350 gm	358 gm			
AVERAGE BATTERY LIFE @ 5/5/90 CYCLE	Low Power		High Power		
With Standard High Capacity NiMH Battery:	11 hours		8 hours		
With Ultra High Capacity NiMH Battery:	14 hours		11 hours		
With NiCD Battery:	12 hours		9 hours		
With Lilon Battery:	11 hours		8 hours		
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				RECEIVER			
SPECIFICATION	VHF/UHF			SPECIFICATION	VHF/ UHF		
*Frequency	136-174 / 403-470 / 450-527			*Frequency	136-174 / 403-470 / 450-527		
Frequency separation	Full bandsplit			Frequency separation	Full bandsplit		
Channel spacing	12.5/20/25kHz			Sensitivity (12 dB SINAD) EIA	25µV		
Freq Stability (-30°C to 60°C,+25°CRef.)	+/- 0.00025%			Intermodulation(EIA)	70 dB		
Power	136-174 - 5W 403-470 - 4W			Adjacent Channel Selectivity	70 dB @ 25kHz 60 dB @ 12.5kHz		
Modulation limiting	±2.5 @ 12.5 kHz/±4.0 @ 20 kHz/±5.0 @ 25 kHz			Spurious Rejection	70 dB		
FM Hum & Noise	-40 dB			Rated Audio	500 mW		
Conducted/Radiated Emission	-66 dBw			Audio Distortion	3%		
Modulation - FCC Type	12.5 kHz 11K0F3E	25 kHz 16K0F3E		Hum and Noise	-45 dB @ 12.5kHz, -50 dB @ 25kHz		
Audio Response ( from 6 dB/octave pre-emphasis 300-3000Hz)	+1 to -3 dB			Audio Response (300-3000Hz)	+1 to - 3 dB		
Audio Distortion	3%			Conducted Spurious Emission	-57 dBm < 1Ghz/-47 dBm > 1 Ghz/FCC Part 15		

\* Availability subject to country law and regulations.  
Radios meet applicable regulatory requirements.  
All specifications shown are subject to change without notice. Specifications are not representative of all radios and may vary in different radios.



*The Power Tool For Contact & Control*

**GP329 Select V**

**GP339 Select V**



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Applicable MIL-STD	810 C		810 D		810 E	
	Methods	Procedures	Methods	Procedures	Methods	Procedures
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



**Effective communication is the cornerstone for success in any organisation.**

**With Motorola's GP Professional Radio series for Select V - the GP329 and GP339 portable radios, in your communication solution, enhanced productivity and operational success are only a push of a button away.**

**You can now enjoy instantaneous contact with your work teams, ensuring always that productivity and efficiency levels of your operations are kept high.**

**The GP Professional Radio series for Select V is compatible with Private-Line and 5-tone Selective signalling protocols.**

**KEY FEATURES**

**Clear Crisp Audio Quality**

Sound quality is critical for effective communications. The GP Professional Radio series for Select V is specially equipped with Motorola's voice compression and expansion technology called X-PAND™. The X-PAND™ feature enables crisper, clearer and stronger audio quality, allowing users to continue communicating even in noisy conditions. In addition, low-level expansion enables further improvements in audio quality by reducing unwanted background noise usually heard during pauses in conversation.

**Programmable Channel Spacing (12.5/20/25 kHz)**

The series allows programmable channel spacing of 12.5/20/25 kHz; offering flexibility and easy migration of channel spacing requirements when the need arises.

**Option Board Expandability**

Existing capabilities offered by the GP Professional Radio series can be expanded by including one of the following option boards:

- Encryption for message security.
- Voice Storage board that allows users to store, retrieve and delete voice messages easily.

**Lithium Ion Battery Option**

Accompanied with the latest technology in battery chemistry, Motorola's GP series offers a Lithium Ion battery option which provides the same talk time at a lighter weight.

**Lone Worker**

Customised to meet your specific needs, this feature provides added security and safety for individuals who work remotely from their team as well as for those who work in hazardous conditions. The radio provides continued normal operations when the buttons are pressed regularly but will sound a warning signal if there's no response after a pre-determined time lapse. Should there be no further response, the radio automatically makes an emergency call.

**Whisper**

The radio microphone's sensitivity is increased, allowing users to speak quietly into a radio while still being heard clearly over the air.

**Stun/Unstun**

Provides an added security to prevent the abuse of the radio system and can only be activated by the system manager or administrator. In the event a radio is stolen or used illegally, the system administrator can send a signal to stun the radio, making it incapable for use. Conversely, the radio can be returned to operational use by sending an unstun signal or by returning the radio for reprogramming.

**GP329 - YOUR EASY-TO-USE & COST EFFECTIVE SOLUTION**

The GP329 radio offers a practical two-way radio solution for professionals who need a rugged, reliable radio to stay in contact. Equipped with user-friendly features and intuitive programmable buttons for easy navigation, the GP329 increases productivity by streamlining your radio use and enabling you to concentrate on the job at hand.

With X-PAND™, the GP329 assures you of crisp, clear audio quality even in the noisiest conditions. It also offers 16 channels in addition to a basic array of signalling capabilities. With adjustable power levels, you always have control over your radio usage. Moreover, with an LED indicator and an alert to notify you when your battery power is running low, you'll never be caught with dead air, especially during mission-critical situations or emergencies.

*The GP329 radio - it's easy communication at your finger tips.*

**GP339 - YOUR VERSATILE COMMUNICATION COMPANION**

The GP339 is vital for growing organisations due to its wide range of versatile offerings and its ability to accommodate 255 different communication channels. No matter where it is used, in the rugged environment of the construction site or in the posh elegance of a hotel, the GP339 ensures world-class reliability and efficiency that is very much associated with Motorola's series of professional radios.

Like the GP329, the GP339 offers superb audio clarity through the X-PAND™ feature. The GP339 can store commonly-used contact lists and up to 100 individual caller-IDs and phone numbers for immediate access. Time-conscious users can also rely on programmable buttons for key features and the call timer feature for efficient management of airtime.

*The GP339 radio - adaptability at your command.*



Motorola: Reliability & Quality

 <b>ACCELERATED LIFE TESTING</b> Stringent Motorola's Accelerated Life Testing simulating five years of hard use in real life. ICA RS-3168 in Shock, Vibration, Dust, Humidity, IP54 for Sealing.	 <b>MIL-STD 810C, D AND E</b> Stamp of approval from the U.S. Military for use in rough environments.
 <b>ISO 9001 STANDARD</b> Compliance with ISO 9001 Standard - an international quality system assurance on design, development, production, installation and servicing of a product.	

**GP329 and GP339 - SERVING YOUR COMMUNICATION NEEDS**

**Signalling**

The radio software encompasses Private Line and 5-tone Selective signalling.

**Channel Scan**

Enables activity on different communications channels to be monitored and answered - eliminating the incidence of missed calls as well as simplifying the radio's operation for users of multiple communication channels.

**Battery Strength Indicator**

For early warning on low battery strength, the GP329 is equipped with a tri-colour LED battery gauge; the GP339 has an on-screen LCD display indicator.

**Voice-Operated Transmit (VOX)**

Hands-free operation with voice activated transmission via headsets.

**Adjustable Power Levels**

Optimises coverage and conserves battery consumption.

**Talkaround**

Freedom to communicate via a repeater for wide area coverage; or bypass a repeater and talk directly to another unit for easy local unit-to-unit communications. Ideal for maintaining continued communications in the event of system failure or maintenance.

**Call Forward**

Incoming calls can be forwarded to another radio user – enabling continued communication for the operations.

**Additional benefits for GP339 – enhancing your communication versatility**

**User Information Display**

Easy to read 14-character alpha-numeric dot matrix text display.

**Name Tagging**

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

**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.

**Status Calls**

Pre-defined text messages can be tagged to code digits in the Status list enabling users to send meaningful messages quickly without the need to talk. The status list is for both incoming and outgoing calls.

**Call Timer**

Enforces the efficient use of airtime by limiting the duration of calls. Callers are given warning indications (visual and audio), prior to the call ending.

**Dual Tone Multi Frequency (DTMF)**

Activated when the radio is required to operate in a radio system as well as link up with a telephone network.

**Menu**

Users can select functions through easy to navigate menu keys.

**Keypad Lock/Unlock**

Keypad keys and menu keys can be locked to eliminate accidental key presses and to deter non-users from tampering with the radio.

**Backlight**

Enhanced ease of use in subdued light by illuminating the radio display, keypad and menu navigation keys - programmable to be permanently switched on, off or switched on for a timed period.

**Reliable Warranty**

Each Motorola radio is backed by a reliable warranty on radio parts and labour provided by experienced Motorola engineers.

