

GM339

VERSATILITY

ON THE GO

With its extensive list of programming features, the GM339 is most suited for the growing organisation. The versatile GM339 mobile will keep your productivity at its highest, no matter how fast your business grows.

LCD DISPLAY

The 14 character one-line alphanumeric display with icons such as radio signal indicator & caller identification make it easy to read both the text and icon display.

OPTIONAL VOICE STORAGE

Through optional voice storage board, the GM339 can record important messages or personal memos up to 120 seconds.

4 CUSTOMISED BUTTONS

Easy to use, users have the flexibility to dedicate the most useful operations to these specific buttons for instant one-touch access.



GM399

SOPHISTICATION

ON THE MOVE

The GM399 is for professionals who need to communicate using the advanced levels of radio sophistication. A sophisticated communication tool with a user friendly interface such as full alphanumeric keypad and large 4 line alphanumeric display helps to improve the efficiency and productivity of your mobile workforce.

FULL KEYPAD

The full alphanumeric keypad make it easy to edit the contact list and enable quick entry of desired channel number, contact list address, status or messages number.

LCD DISPLAY

The large alphanumeric display enables users to read up to 4 lines of text messages instantly. The display also features icons such as signal strength, missed call and talkaround indicators.

BUILT IN VOICE STORAGE

The built-in voice storage provides users with a paperless notepad to store & retrieve messages. The radio performance is further enhanced through recording of important messages or personal memos up to 120 seconds.

7 CUSTOMISED BUTTONS

Allow users greater flexibility to assign the most important operations to these specific buttons for even more quick one-touch access.



GENERAL SPECIFICATIONS	VHF	UHF
Frequency Range*	136-174MHz	403-470MHz /450-527MHz
Frequency Stability (-30C to 60C, 25c Ref.)	± 2.5ppm	± 2ppm
Channel Capacity		255
Power Output		1-25W
Power Supply	13.2 Vdc (10.8-15.6 Vdc) Negative Vehicle ground	
Channel Spacing	12.5/20/25 kHz	
Dimensions (L x W x H)	GM339: 186mm x 179mm x 59mm (add 9mm for volume knob) GM399: 188mm x 185mm x 72mm (add 7mm for volume knob)	
Weight	1400gms (3.15 lbs)	
Operating Temperature	-30 to +60 degC	
Sealing	Passes rain testing to IP54	
Shock and Vibration	Meets MIL-STD 810-C,D&E and TIA/EIA 603	
Dust	Meets MIL-STD 810-C,D&E and TIA/EIA 603	
Humidity	Meets MIL-STD 810-C,D&E and TIA/EIA 603	

TRANSMITTER	VHF	UHF
Modulation Limiting		± 2.5kHz @ 12.5kHz ± 4.0 kHz @ 20kHz ± 5.0 kHz @ 25kHz
FM Hum & Noise		-40dB @ 12.5kHz -45dB @ 20/25kHz
Conducted/Radiated Emissions		- 36dBm < 1 GHz - 30dBm > 1 GHz
Adjacent Channel Power		- 60dB @ 12.5kHz - 70dB @ 20/25kHz
Audio Response (300 to 3000Hz)		+1, -3dB
Audio Distortion @ 1000Hz, 60% Rated Maximum Deviation		3%

RECEIVER	VHF	UHF
Sensitivity (12dB SINAD)	0.22 uV 78dB @ 25kHz 78dB @ 20kHz	75dB @ 25kHz 75dB @ 20kHz
Intermodulation (EIA)	75dB @ 12.5kHz	75dB @ 12.5kHz
Adjacent Channel Selectivity	80dB @ 25 kHz 70dB @ 20 KHz 65 dB @ 12.5 kHz	75dB @ 25 KHz 70 dB @ 20 kHz 65 dB @ 12.5 kHz
Spurious Rejection	80dB @ 20/25 KHz 75dB @ 12.5 KHz	75dB @ 20/25 kHz 70 dB @ 12.5 kHz
Rated Audio		3W Internal 7.5W & 13W External
Audio Distortion @ Rated Audio		3% Typical
Hum & Noise		- 40dB @ 12.5kHz - 45dB @ 20/25kHz
Audio Response (300 to 3000Hz)		+1, -3dB
Conducted Spurious Emission per FCC part 15		- 57dBm < 1 GHz - 47dBm > 1 GHz

Mobile Military Standards 810C, D and E						
	810 C		810 D		810 E	
Applicable MIL-STD	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

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



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For more information, please contact:

ALT™ 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 810
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.



MOTOROLA
intelligence everywhere™



**CONVENTIONAL
SELECT V MOBILE RADIO**

MOTOROLA GM339 & GM399

**MOTOROLA GM339 AND GM399
SELECT V MOBILE RADIOS**

In a rapidly changing market, instant communication and versatile mobile communication solutions are critical to the success of your business. With Motorola's GM339 & GM399 Select V mobile radios, you can now enjoy immediate and reliable communication to keep your mobile teams working efficiently.

Whether you are a courier service personnel where information on direction is critical, or a foreman at a construction site needing emergency backup at an accident scene, or from a transportation company that wants to improve its fleet management, both the GM339 & GM399 Select V mobile radios are solutions that let you stay in touch and in control.

Both GM339 & GM399 Select V mobile radios are compatible with Private Line and 5-tone Selective signalling protocols.

**ENHANCED SIGNALLING FEATURES FOR GM339 & GM399 SELECT V
SIGNALLING PROTOCOL:**

- PTT ID - Enable the transmission of caller ID and allow users to identify incoming callers.
- Stun/Unstun - Unauthorised radio users can be disabled over the air.
- Emergency Signaling - Allow users to discreetly send help signal to pre-defined person or groups of users giving added peace of mind for the users.
- Status Call - Up to 255 pre-defined text message can be assigned to code digits in the status list allowing the users to send frequently used message without the need to talk.



reliability

GM339 & GM399 SELECT V KEY FEATURES AND BENEFITS

5-TONE SELECTIVE SIGNALLING STANDARDS

Both radios support 5-tone selective signalling standards, which include ZVEI, Modified ZVEI, French Modified ZVEI, 20ms CCIR, 70 ms CCIR, 100 ms CCIR and EEA signaling system, that enhance productivity. These radios also offer users the flexibility to program their own 'user-defined' signalling standards into the radio.

EXCELLENT AUDIO TECHNOLOGY

Motorola's special voice compression and low level expansion technology ensures crisper, clearer and stronger audio quality, allowing you to communicate even in a noisy working environment.

SWITCHABLE CHANNEL SPACING

Both radios enable programmable channel spacing of 12.5/20/20.5 kHz, offering flexibility and easy migration of channel spacing and protecting your investment should your country's regulatory channel spacing requirement changes.

LONE WORKER

This feature provides added security and safety for individuals who are on remote work sites from their team, as well as for those who work in potentially dangerous conditions. The radio will automatically enter into an emergency mode if the user does not respond to the warning signal after a pre-determined time lapse, thereby alerting co-workers to any potential emergency.

255 CHANNELS

A full 255-channel operating capacity on both the GM339 and GM399 enables the mobiles to accommodate among a vast number of users and work groups concurrently. Users can program each channel individually for different power output, private line (PL) / digital private line (DPL) for privacy call, memory channel and busy channel lock out to enhance communication efficiency and improve fleet management.

LARGE CONTROL BUTTONS

The large control buttons allow users easy navigation of menu and exit functions.

REMOTE MOUNT CONTROL HEAD

The remote mount control head can be mounted on the dashboard without the radio chassis ideal when space is a constraint.

MOBILE VOTING

Mobile voting allows the GM339/399 to work smoothly on conventional multi-casts networks. Mobile voting permits the radio to automatically select (vote) the strongest signal ensuring the best audio quality is delivered to the user.



everytime

ENHANCE YOUR RADIO'S CAPABILITIES

A comprehensive range of accessories is also available so that the radios can be customised to suit your needs. Adding the proper handset, speakers, microphones & mounting accessories can enhance your productivity. Motorola accessories are built with the highest quality standards and are specially engineered to assure maximum performance of your radio.



AARMN4026 - Keypad microphone



PMMN4007 - Microphone



RLN4856 - Foot switch with Remote PTT



Remote Mount Kit



RLN4857 - Push Button with Remote PTT

