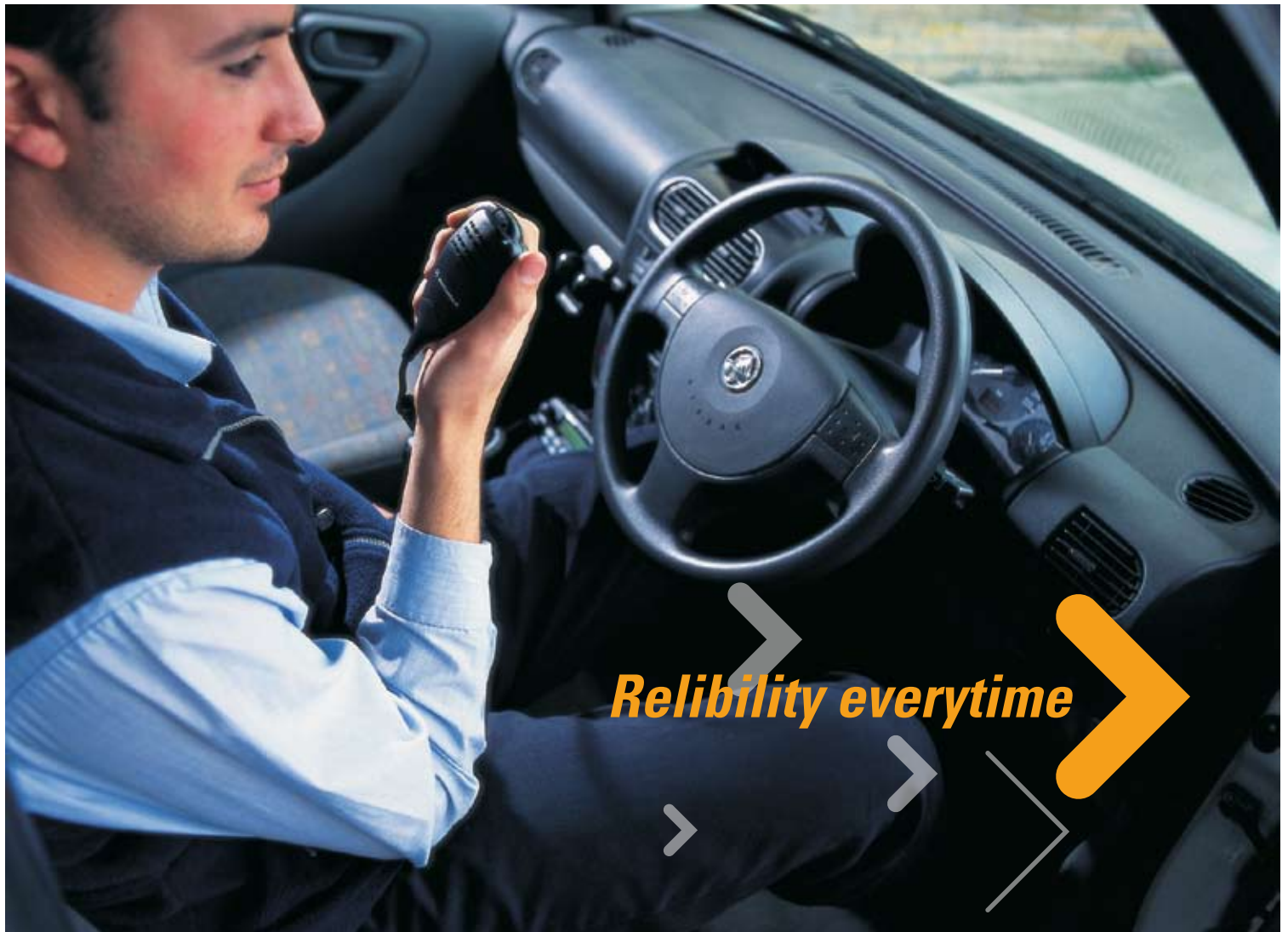




# ***GM339/GM399***

Conventional Select V Mobile Radio





### ***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.



## ***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.



GM339

### **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.



GM339 Select V

### **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**

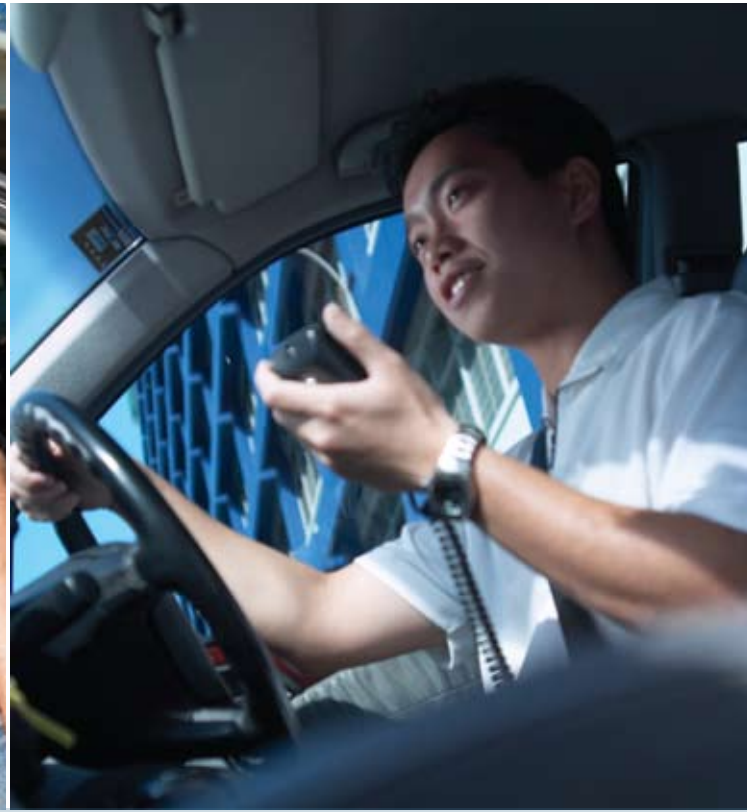
The large alphanumeric display enables users to read up to 4 lines of text messages instantly. The display also features icons such as signal strength, missed call and talkaround indicators.

#### **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.



### 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



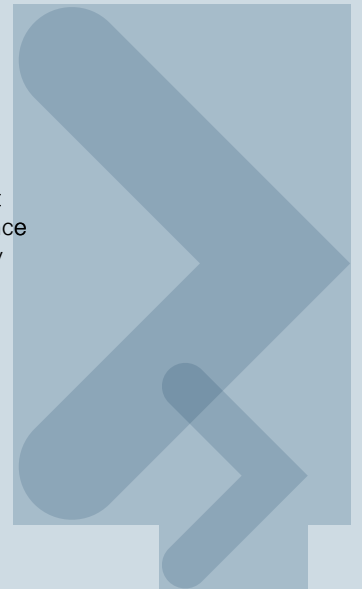
**RLN4856**  
Foot switch with Remote PTT



Remote Mount Kit



**RLN4857**  
Push Button with Remote PTT



GM339/GM399 GENERAL SPECIFICATION	VHF	UHF
Frequency Range*	136-174MHz	403-470MHz /450-527MHz
Frequency Stability (-30C to 60C, 25c Ref.)	± 2.5ppm	± 2ppm
Channel Capacity	255 1-25W 13.2 Vdc (10.8-15.6 Vdc) Negative Vehicle ground 12.5/20/25 kHz	
Dimensions (L x W x H)	<b>GM339:</b> 186mm x 179mm x 59mm (add 9mm for volume knob) <b>GM399:</b> 188mm x 185mm x 72mm (add 7mm for volume knob) 1400gms (3.15 lbs) -30 to +60 degC Passes rain testing to IP54 Meets MIL-STD 810-C,D&E and TIA/EIA 603 Meets MIL-STD 810-C,D&E and TIA/EIA 603 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 (12dBSINAD)	0.22 uV 78dB @ 25kHz 78dB @ 20kHz	75dB @ 25kHz 75dB @ 20kHz
Intermodulation(EIA)	75dB @ 12.5kHz	75dB @ 12.5kHz
Adjacent Channel Selectivity	80dB @ 25kHz 70dB @ 20kHz 65 dB @ 12.5kHz	75dB @ 25kHz 70 dB @ 20kHz 65 dB @ 12.5kHz
Spurious Rejection	80dB 80dB @ 20/25KHz 75dB @ 12.5kHz	75dB @ 20/25kHz 70 dB @ 12.5kHz
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 < 1GHz - 47dBm > 1GHz	

**Motorola:  
Reliability & Quality**



Accelerated Life Testing  
Stringent Motorola  
Accelerated Life Testing  
simulating five years of hard  
use in real life.



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.

MOBILE MILITARY STANDARDS 810 C, D, & E						
Applicable MIL-STD	810C		810D		810E	
	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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