GM340: The Popular Radio

The Popular Radio is the simple two-way radio solution for professionals who need to stay in contact. The GM340 can easily increase productivity by keeping users communicating, yet streamlines their radio use allowing them to concentrate on the job at hand. With the Popular Radio, communication couldn't be easier.





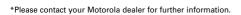
Operator friendly controls and features include:

- Signalling
 The radio software encompasses
 Private Line™ and 5-tone selective signalling
- Voice Operated Transmit (VOX)
 Hands free operation when used
 with VOX accessory.
- Emergency Signalling Sends help signal to a pre-defined person or group of people. The help signal can contain a pre-recorded voice message enabling your whereabouts or status to be determined immediately by the receiving person.
- 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.
- Option Board Expandability*
 You can expand the existing
 capabilities by adding one of the
 following option boards:
 - Mandown for added safety and security.
 - Voice Storage option board provides voice recorder features allowing you to store and retrieve messages.

- External Alarm
 - Activates the vehicle horn and/or lights on receipt of an incoming call, so you won't miss a call even when away from your vehicle.
- Public Address Mode
 This feature allows you to use your
 radio audio as a public address
 system simply by adding an external
 speaker and switch fitted and
 programmed by your dealer.
- Data Capable
 A modem can be fitted inside a special expansion head, or external to the radio.

Additional features include:

- Channel Scan
- X-Pand[™] Voice Compression and Low Level Expansion
- Adjustable Power Levels
- Programmable Channel Spacing (12.5/20/25 kHz)
- Talkaround
- Call Forward



GM340 Mobile Two-Way Radio Specifications

General				
Specification	VHF	UHF		
Frequency Range:	136-174 MHz	403-470 MHz		
Frequency Stability (-30°C to +60°C, 25°C Ref.)	±2.5 PPM	±2 PPM		
Channel Capacity:	6			
Channel Spacing:	12.5/20/25 kHz			
Power Output:	1-25W	1-25W		
Power Supply:	13.2Vdc (10.8 - 15.6 Vdc) negative vehicle ground			
Dimensions (L x W x H)	177mm x 176mm x 56mm (add 8mm for Volume Knob) (6.97" x 6.93" x 2.2" - add 0.3" for Volume Knob)			
Weight:	1400 g (3.15 lbs)			
Operating Temperature	-30 to 60°C			
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		

Mobile Military Standards 810 C, D, & E							
	810C		810D		810E		
Applicable MIL-STD	Methods	Procedures	Methods	Procedures	Methods	Procedures	
Low Pressure	500.1	1	500.2	2	500.3	2	
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2	
Low Temperature	502.1	2	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	2	506.2	2	506.3	2	
Humidity	507.1	2	507.2	2,3	507.3	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	516.4	1	

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

Receiver					
Specification	VHF	UHF			
Sensitivity (12dBSINAD): (ETS)	0.30μV (0.22 μV Typical)				
Intermodulation: (ETS)	>65 dB; >70 dB in Base Mode				
Adjacent Channel Selectivity: (ETS)	80dB @ 25 kHz 75dB @ 20 kHz 65dB @ 12.5 kHz	75 dB @ 25 kHz 70 dB @ 20 kHz 65 dB @ 12.5 kHz			
Spurious Rejection: (ETS)	80 dB @ 20/25 kHz 75 dB @ 12.5 kHz	75 dB @ 20/25 kHz 70 dB @ 12.5 kHz			
Rated Audio: (ETS)	3W Internal 7.5W & 13W External				
Audio Distortion @ Rated Audio:	3% Typical				
Hum and Noise:	-40 dB @ 12.5 kHz -45 dB @ 20/25 kHz				
Audio Response: (300 to 3000Hz)	+1, -3dB				
Conducted Spurious Emission per FCC Part 15:	-57 dBm <1 GHz -47 dBm >1 GHz				

Specifications are subject to change without notice and are issued for guidance purposes only.

Radios meet applicable regulatory requirements.

Conforms to RTTE Directive: 1999/5/EC, 95/54/EC (72/245/EEC). Relevant standards: EN300 086-2, EN300 113-2, EN301 489-05

Contact your local Authorised Motorola Dealer to find out more about how communicating with the Professional Radio series will benefit your organisation.



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For exceptional performance, reliability and quality, Motorola Original accessories are the only options. For full details, please refer to the Professional Radio Series Accessories brochure.









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^{*}Availability subject to individual country's laws and regulations.