

Specifications

GENERAL - VHF, UHF GP240 & GP280

*Frequency	136 - 174 / 403 - 470 / 800	
Power Supply	7.5 V	
(Provided through rechargeable battery)		
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	GP240	GP280
With Standard High		
Capacity NiMH Battery	420 gm	428 gm
With Ultra High		
Capacity NiMH Battery	508 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		
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 Li-Ion 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

All Specs Measured to TIA/EIA-603	VHF	UHF	800 MHz
*Frequency (MHz)	136-174	403-470	806-825
			851-870
Frequency Separation	Full Bandsplit		
Channel Spacing	12.5/20/25 kHz	25 kHz	
Frequency Stability			
(-30°C to +60°C, +25°C Ref.)	±2.5ppm	±1.5ppm	
Power	1 - 5W	1 - 4W	1 - 2.5W
Modulation Limiting	±2.5 kHz @ 12.5 kHz		
	±4.0 kHz @ 20 kHz ±5.0 kHz @ 25 kHz		
FM Hum & Noise	<-34 dB @ 12.5 kHz		
	<-38 dB @ 20 kHz		
	<-40 dB @ 25 kHz		
Spurious Harmonics	-36 dBm < 1 GHz -36 dBm typical		
Conducted/Radiated Emission	-30 dBm > 1 GHz		
Modulation FCC Type	12.5 kHz 11K0F3E		
	25 kHz 16K0F3E		
Adjacent Channel Power	-60 dB @ 12.5 kHz		
	-70 dB @ 20/25kHz		
Audio Response			
(from 6dB/octave pre-emphasis, 300 - 3000Hz)	+1 to -3 dB		
Audio Distortion	3%		

RECEIVER

All Specs Measured to TIA/EIA-603	VHF/UHF	800 MHz
*Frequency (MHz)	136-174, 403-470, 851-870	
Frequency Separation	Full Bandsplit	
Sensitivity (12dB SINAD)	0.35 µV	
Intermodulation	-65 dB	
Adjacent Channel Selectivity	-60 dB @ 12.5 kHz	
	-70 dB @ 20/25 kHz	
Spurious Rejection	-70 dB	
Rated Audio	0.5 W	
Audio Distortion	3% typical	
Hum and Noise	-34 dB @ 12.5 kHz	
	-38 dB @ 20 kHz	
	-40 dB @ 25 kHz	
Conducted Spurious Emission	-57 dBm < 1 GHz	
	-47 dBm > 1 GHz	
All Rx Hum & Noise numbers assume low level expander is used		

PORTABLE MILITARY STANDARDS 810 C, D, & E

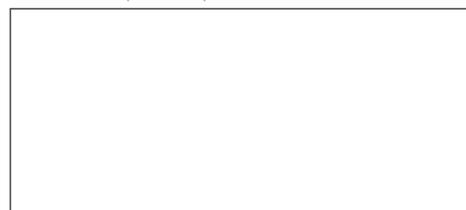
Applicable MIL-STD	810C		810D		810E	
	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	2	500.3	2
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2
Low Temperature	502.1	1	502.2	1,2	502.3	1,2
Temp. Shock	503.1	1	503.2	1	503.3	1
Solar Radiation	505.1	1	505.2	1	505.3	1
Rain	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.

ISO 9001 Standard

Compliance with ISO 9001 Standard - an international quality system assurance on design, development, production, installation and servicing of a product. Radio meets applicable regulatory requirements to ETSI Euro norms and conforms to European directive 1999/5/EC

For more information please contact your local Motorola Authorised Dealer or Distributor



GP240, GP280 PROFESSIONAL SERIES

Privacy Plus™ Trunked Portable Radios as dedicated as you are



Motorola GP240 and GP280 Privacy Plus™ Trunked Radios



The GP Privacy Plus™ Trunked Radios offer effective and instant communications; critical to the success of your dynamic organisation.

Improve your operational efficiency and manage communications complexity with Privacy Plus™ trunking technology from Motorola; giving you access to StartSite and SmartNet systems.

As one of the market-leading radios in Motorola's Professional Series; these feature-packed radios are designed with the requirements of today's businesses and public safety organisations in mind.

Efficient and intelligent communications

Privacy Plus™ trunking technology from Motorola ensures spectrum efficiency whilst the dual mode capability allows easy access to conventional operation. These features combined with the Failsoft mode keep you in touch when you need it most.

Seamless communications

Automatic Multiple Site Selection extends reach beyond a single trunked site. When moving between trunked sites, the radio seamlessly switches to the next available site.

Ensure privacy and maintain control

Privacy Plus™ ensures communications remain private whilst Selective Radio Inhibit allows a radio to be blocked remotely should it be lost or stolen.

Crisp and clear audio

Designed to be heard and understood even in the noisiest of industrial environments, the radios feature strong audio quality and Low Level Expansion (LLE) to reduce noise in conversational pauses.

Reliable and robust

Tested to MIL spec 810 and Motorola Accelerated Life Test standards to ensure that they will operate in the toughest conditions.



GP240 Privacy Plus™ Trunked Radio affordable and easy to use

Designed for professionals who need to keep in touch and improve productivity.

- 16 talkgroups or channels allow the GP240 to meet many different communication needs.
- Multiple system interoperability offers the flexibility of access to up to 15 different talkgroups on up to 10 different systems if required.
- 4 programmable buttons for easy access to frequently used features.
- Private call decode enables users to receive one-to-one calls from another user without disturbing the team; assuring privacy when discussing sensitive issues.
- Call alert decode delivers missed call notification via a series of audible signals to minimise disruption.
- Telephone interconnect allows users to receive incoming telephone calls through the trunked system for enhanced communication flexibility.



GP280 Privacy Plus™ Trunked Radio smart and versatile

Designed for those requiring an enhanced set of features; the GP280 builds upon the functionality of the GP240.

- Enhanced user experience through an alpha-numeric and iconic display allows easy access to the intuitive menu and giving instant access to talkgroup identities, phone book and contact list.
- 90 modes keep a large number of diverse user talkgroups constantly in touch with each other, to easily manage users.
- Discreet communications allows users to send and receive one-to-one radio calls through a preprogrammed contact list or via direct keypad entry.
- Missed call identity is displayed and supported by a series of audible signals.
- DTMF

Tailored to your needs

A wide range of mounting options and accessories enable you to tailor your communications solution to meet your own needs, including audio accessories, batteries, chargers and carry options. All radios are supplied with a battery, antenna, belt clip and dust cover as standard. For full details of available accessories please contact your local dealer



Earpieces for discreet covert use

Impress chargers

Impress batteries

Headsets to communicate hands-free

Carry cases