



# GP330

Communication made easy.



The GP330 offers a simple and effective communication solution with a comprehensive feature set at a very competitive price. The four channel radio will ensure that team members stay in contact, that user safety is ensured through security features and that efficiency and productivity is maximized.

The radio software encompasses Private Line™ and 5-tone signalling, allowing set up of selective calls to individuals or groups.

The GP330 delivers crisp, clear and strong audio quality in virtually any noisy environment. Low level expansion allows further improvements in audio quality by reducing noise usually heard during pauses in conversation.

User safety is an important part of the GP330 offering. Emergency Signalling lets the user alert a predefined person or group of persons. For those working remotely from their team, the Lone Worker function provides added security by entering emergency mode if the user does not respond to a warning signal.

The GP330 is supported by a wide range of Motorola Original Accessories including carry cases and straps, earpieces and headsets, batteries and chargers, all designed to tailor the radio to the precise requirements of the user.

## Additional features

### Adjustable Power Levels

The radio output power has two settings – low power extends battery life and high power allows the radio to transmit over a greater distance.

### Call Forward

Allows calls to be forwarded to another radio user if you are unable to answer your calls personally.

### VOX capable

The GP330 is VOX capable and when used together with VOX headset it allows for voice-activation leaving the user's hands free to work.

### Whisper function

In noise-sensitive environments, the Whisper function means that users can speak quietly into their radios and still be understood thus minimising disruption.

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

Flexible and easy migration of channel spacing requirements in any situation.

### Talkaround

Freedom to communicate utilising a system or dispatcher for wide-area coverage, or bypass and talk directly to another unit for easy local unit-to-unit communications.

### Quality

The GP330 is a quality MOTOROLA product and complies to the MIL810 specifications and has undergone Motorola's ALT testing simulating 5 years or hard use.

# Specification Sheet

## GENERAL SPECIFICATIONS

Channel Capacity	4	
Power Supply	Rechargeable battery 7.5V	
Dimensions H x W x D (mm) with:	Height excluding knobs	
High capacity NiMH battery	137 x 57.5 x 37.5	
Ultra high capacity NiMH battery	137 x 57.5 x 40.0	
NiCD battery	137 x 57.5 x 40.0	
Li-Ion battery	137 x 57.5 x 33.0	
Weight (gm) with:		
Standard high capacity NiMH battery	420	
Ultra high capacity NiMH battery	500	
NiCD battery	450	
Li-Ion battery	350	
Average battery life @ 5/5/90 Cycle with:	Low Power	High Power
High capacity NiMH battery	11 hours	8 hours
Ultra high capacity NiMH battery	14 hours	11 hours
NiCD battery	12 hours	9 hours
Li-Ion battery	11 hours	8 hours
Sealing:	Withstands rain testing per MIL STD 810 and IP54	
Shock and Vibration:	Protection provided via impact resistant housing exceeding MIL STD 810 and TIA/EIA 603	
Dust and Humidity:	Protection provided via environment resistant housing exceeding MIL STD 810 and TIA/EIA 603	
Operating temperature:	-30°C to +60°C	
Storage temperature:	-40°C to +85°C	

## TRANSMITTER

*Frequencies - Full Bandsplit	VHF: 136-174 MHz UHF: 403-470 MHz
Channel Spacing	12.5 / 20 / 25 kHz
Frequency Stability	1.5 kHz @ 12.5 kHz (-30°C to +60°C, +25°C Ref.)
Power	136-174: 1-5W 403-470: 1-4W
Modulation Limiting	±2.5 @ 12.5 kHz ±4.0 @ 20 kHz ±5.0 @ 25 kHz
Conducted/Radiated Emission	-36 dBm < 1 GHz -30 dBm ≥ 1...4 GHz
Adjacent Channel Power	-60 dB @ 12.5 kHz -70 dB @ 20/25 kHz

## RECEIVER

*Frequencies - Full Bandsplit	VHF: 136-174 MHz UHF: 403-470 MHz
Channel Spacing	12.5 / 20 / 25 kHz
Sensitivity (20 dB SINAD)	0.50 µV typical / 12.5 kHz
Intermodulation	65 dB
Adjacent Channel Selectivity	60 dB @ 12.5 kHz 70 dB @ 20/25 kHz
Spurious Rejection	70 dB
Conducted Spurious Emission	-57 dBm < 1 GHz -47 dBm ≥ 1...4 GHz

## Portable Military Standards 810

Applicable MIL-STD	810C		810D		810E		810F		810G	
	Methods	Proc./Cat.	Methods	Proc./Cat.	Methods	Proc./Cat.	Methods	Proc./Cat.	Methods	Proc./Cat.
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	505.5	II
High Temperature	501.1	I, II	501.2	I/A1,II/A1	501.3	I/A1,II/A1	501.4	I/Hot,II/Hot	501.5	I/Hot A1, II/Hot (A1)
Low Temperature	502.1	I	502.2	I/C3,II/C1	502.3	I/C3,II/C1	502.4	I/C3,II/C1	502.5	I/C3,II/C1
Temp. Shock	503.1	-	503.2	I/A1C3	503.3	I/C1A3	503.4	I	503.5	I/C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III
Humidity	507.1	II	507.2	II	507.3	II	507.4	-	507.5	-
Salt Fog	509.1	-	509.2	-	509.3	-	509.4	-	509.5	-
Blowing Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I
Blowing Sand	-	-	510.2	II	510.3	II	510.4	II	510.5	II
Vibration	514.2	VIII/F, Curve-W	514.3	I/10,II/3	514.4	I/10,II/3	514.5	I/24	514.6	I/24
Shock	516.2	I, II	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.6	I, IV

Data is specified for +25°C unless otherwise stated

\*Availability subject to individual country's law and regulations. Specifications are subject to change without notice and are issued for guidance only. All specifications listed are typical. Radios meet applicable regulatory requirements. Conforms to R&TTE directive 1999/5/EC



Stringent Motorola Accelerated Life Testing simulating five years of hard use in real life. (EIA RS-016) in Shock, Vibration, Dust, Humidity, IP54 for Sealing



Compliance with ISO 9001 Standard on international quality system assurance on design, development, production, installation and servicing of a product



Stamp of Approval from the U.S. Military for use in rough environments.



To ensure compliance with RF energy exposure standards and regulations, use only Motorola-approved batteries and accessories. Use of non-Motorola approved batteries and accessories may result in RF energy exposure standards being exceeded.



### Marlborough Radio Services

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