MOTOROLA

GP338-LS
Portable Radio

GP338-LS Portable Radio: The Versatile Radio for LTR Systems

The GP338-LS portable radio is essential for growing organisations because of its unique versatility. Whatever your profession, you can maximise your communications resources by using this powerful radio on any UHF LTR system. Efficient and cost-effective, UHF trunking gives you a wider calling range, faster channel access, greater privacy, and higher user and talkgroup capacity - which means your GP338-LS radio can accommodate virtually all your business communication needs. What's more, your GP338-LS portable can easily be reprogrammed - so you can rest assured your radio will continue to serve you effectively as your business grows and changes.

15 Trunked Zones (16 Talkgroups each)

Improve your efficiency with trunked operation for any UHF LTR system.

14 Character Display with Alias

The 14 character alphanumeric display with user-friendly icons make the radio's features and commands simple to understand.

MDC Signalling Features on LTR

Motorola's unique MDC signalling features-including selective call, call alert, radio check, and PTT-ID allow you to monitor workgroups effectively.

System/All Group/Auto Group Selective Scanning

Three scan modes allow you to define the frequency and type of transmissions your radio scans.

contact

control

Telephone interconnect Capability

The GP338-LS radio supports incoming and outgoing calls with aliased phone lists for easy selection of frequently used numbers.

As dedicated As You Are

Professional Radio

GP338-LS Portable Two-Way Radio Specifications

general

Specification	UHF
Dimensions	Height x Width x Depth
With Standard High-capacity NiMH	5.40in x 2.26in x 1.50in
battery; without belt clip	137mm x 57.5mm x 37.5mm
Weight (grams/ounces)	420/15
Power Supply	Rechargeable Battery 7.5 Volts
Average Battery Life @ 5/5/90* Duty Cycle	11 Hrs @ Low Power
	8 Hrs @ High Power
Model Number	AZH25SDH9DU6_N
Frequency Range	450 - 527 MHz
Channel Spacing	12.5 / 20 / 25 kHz
Frequency Stability	±5 ppm @ 25 kHz
(-30°C to 60°C, 25°C Ref.)	±2 ppm @ 12.5 kHz

transmitter

Specification	UHF
RF Power Output	1 - 4 W
Modulation Limiting	±2.5 kHz @ 12.5 kHz
	±4.0 kHz @ 20 kHz
	±5.0 kHz @ 25 kHz
FM Hum & Noise	-40 dB
Conducted / Radiated Emissions	66 dBw
Audio Response (0.3 - 3kHz)	+1 to -3 dB
Audio Distortion (typical)	3%

receiver

Specification	UHF
Sensitivity (12 dB SINAD) EIA (typical)	0.25µV
Sensitivity (20 dB SINAD) ETS	0.5µV
Intermodulation per EIA	70 dB
Adjacent Channel Selectivity	60 dB @ 12.5 kHz/-70 dB @ 25kHz
Spurious Rejection	70 dB
Rated Audio	0.5W
Audio Distortion @ Rated Audio (typical)	3%
Hum and Noise	-45 dB @ 12.5 kHz / -50 dB @ 25kHz
Audio Response (0.3-3kHz)	+1 to -3 dB
Conducted Spurious Emission	-57 dBm <1 GHz
Per FCC Part 15	-47 dBm >1 GHz

military standards

Applicable MIL-STD	810C Methods	810C Procedures	810D Methods	810D Procedures	810E Methods	810E Procedures
Low Pressure	500.1	1	500.2	1,2	500.3	1,2
High Temperature	501.1	1,2	501.2	1,2	501.3	2
Low Temperature	502.1	1	502.2	1,2	502.3	1,2
Temperature Shock	503.1	1	502.2	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	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	1,4	516.4	1,4

Specifications subject to change without notice.
All Specifications and Methods refer to EIA/TIA 603 standards.

GP338-LS
portable radio features

You can expand your radio's capabilities by plugging option boards into the internal port:

- DTMF decode for in-coming Radio-to-Radio call Capability
- Voice Storage for recording Brief Voice Messages

You Get all the above plus.......

- 15 Trunked Zones with 16 Talkgroups each (up to 16 Conventional channels)
- PPT-ID (encode/decode)
- Call Alert™/Voice Selective Call/Radio Check (encode/decode)
- Selective Radio Inhibit (decode)
- X-Pand™ Audio Enhancement
- Six Programmable Buttons
- Alphanumeric 14 Character Display
- Conventional Talkaround Mode
- Keypad Lock
- Home Channel Revert
- Dual Priority Scan
- 12.5/25kHz Switchable Channel Spacing
- Tight/Normal Squelch
- Option Board Port
- Battery Gauge
- Busy Channel Lockout
- Time-Out Timer
- Nuisance Channel Delete
- CSQ/PL/DPL/INV-DPL

Contact your Motorola Representative now for more information.

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Commercial, Government and Industrial Solutions Sector

Visit our website at:
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GP328-LS Portable Radio: The Practical Radio for LTR Systems

The GP328-LS portable radio is the affordable solution for professionals who require a rugged and reliable radio to help them stay in contact. This practical radio helps you to increase productivity by keeping you communicating, yet streamlines your radio use - allowing you to concentrate on the job at hand. The GP328-LS radio's simple user interface allows you to quickly become productive on LTR systems. With the GP328-LS portable radio, communications could not be easier.

1 Trunked Zone with 16 Talkgroups

Improve your efficiency with trunked operation for any UHF LTR system.

MDC Signalling Features on LTR

Motorola's unique MDC signalling features include selective call and call alert (decode). In addition, the GP328-LS portable supports radio check (decode) and PTT-ID (encode) for efficient workgroup communication.
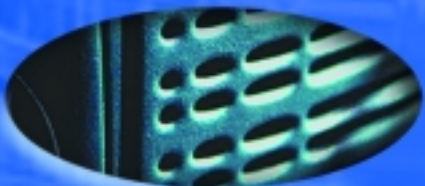
Telephone Call Receive Capability

The GP328-LS radio supports incoming telephone calls.
With the keypad retrofit kit, you can also make outgoing calls.

X-Pand™ Audio Enhancement

Motorola's X-Pand audio enhancement significantly reduces background noise and improves sound quality.

contact

control

Three Programmable Buttons

Immediate access to your favourite features.

Conventional Talkaround Mode

Allows unit-to-unit communications when out of system range.

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