



FAILSOFT OPERATION

Radios will automatically revert to conventional mode upon detection of trunked system breakdown.

CALL ALERT (ENCODE/DECODE)

The call alert feature notifies users of calls missed in their absence, ensuring that all messages will be received. A four beep alert tone will sound every five seconds to indicate the missed call. Pressing the PTT will stop the alert and show the ID of the caller. Pressing the PTT again will call the unit back.



STANDARD FEATURES

- 10 Trunked Systems/8 Trunked Talkgroups
- 10 Conventional Channels
- 3 Character Display
- Telephone Interconnect
- PTT ID
- Time-Out-Timer

ENHANCE YOUR RADIO'S CAPABILITIES

A comprehensive range of radio accessories are available so that the radios can be customised to suite your needs. Adding the proper handset, speakers, microphone & mounting accessories can enhance your productivity. Motorola accessories are built with the highest quality standards and are specially engineered to ensure maximum performance of your radio.

- FSN5510 7.5W External Speaker
- GLN7318 Desktop Tray without speaker
- APN6053 Switch Mode Power Supply with 12V cable

MAX638PLUS SPECIFICATIONS*

General	800MHz
Frequency Range (Transmit)	806-825MHz
(Receive)	851-870MHz
Input voltage	13.6V
Dimension (H x W x L)	44mm x 168mm x 177mm
Weight	1210gms (2.67 lbs)
Operating Temperature	-30C to +60 deg C
Storage Temperature	-40C to +85 deg C
Current Drain	
Receive (4W)	1.5A
Transmit	6.5A
Standby	0.45A
Transmitter	
Frequency Stability	± 2.5ppm
Power Output	15W
Channel Spacing	25KHz
Maximum Frequency Separation	19MHz
Modulation Limiting	5.0KHz
FM Hum & Noise	-40dB
Spurious & Harmonic Emission	-56dBc
Output Impedance	50ohms
Audio Response (300 to 3000Hz)	+1 to -3dB
Audio Distortion	< 5%
Receiver	
Sensitivity (12dB SINAD)	0.35uV
Intermodulation	-65 dB
Adjacent Channel Selectivity	-65 dB
Spurious Rejection	-65 dB
Audio Output Power	4W Internal, 7.5W with optional external speaker
Audio Distortion @ rated audio	5%

* Availability subject to country's law and regulations.

All specifications shown are typical and subject to change without notice. Typical means not guaranteed.

APPLICABLE MIL-STD	810C		810D		810E	
	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	1	500.3	1
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
Rain	506.1	2	506.2	2	506.3	2
Humidity	507.1	2	507.2	2	507.3	2
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	1,3,5	516.3	1,5	516.4	1,5
Crash Safety Shock					516.4	5
Packaged Vibration					514.4	1

MAX638Plus Mobile Military Standards 810C, D, E*

* MIL Standards - The MAX638Plus mobile radio is designed to meet or exceed most requirements for MIL STD 810C, D, E

One-Year Warranty

Each Motorola radio is backed by a 1 year warranty on radio parts and labour, battery, charger, antenna and belt clip.



Accelerated Life Testing

Stringent Motorola's Accelerated Life Testing simulating five years of hard use in real life, EIA RS-316B in Shock, Vibration, Dust, Humidity, IP54 for Sealing.



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.



MOTOROLA

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**For Smartnet
Trunking System**

MAX638PLUS MOBILE



To stay on top in today's competitive marketplace, you need fast, dependable access to the right people and information. And with Motorola's MAX638Plus trunked mobile radio, that's exactly what you get.

Whether you are a courier service where instant information is critical, or a transportation company that wants to improve its fleet management, the MAX638Plus trunked mobile connects you to your work team simply at the touch of a button.

Operating on the 800 MHz frequency, the MAX638 Plus trunked mobile offers data capability by allowing customised data solutions from third party suppliers.

ENHANCED FEATURES

IMPROVED AUDIO QUALITY

Hardware enhancements have been made to provide better, clearer audio.

KEY FEATURES & BENEFITS

WIDE AREA ROAMING

In a multiple site environment, the wide area roaming feature enables the radio to start scanning for a control channel in an adjacent site when users are at the fringe area of the current site. This is done automatically ensuring users continuous communication even when on the move.

PRIVATE CONVERSATION

Radio users can conduct private conversations by selectively contacting other units thus maintaining confidentiality of communication.

HORN & LIGHTS

Should users be outside the vehicle: this feature notifies users of incoming calls by sounding the horn and flashing lights of the vehicle.

TALKGROUP/CONVENTIONAL SCAN

Provides effortless scanning and monitoring for important messages in other talkgroups and conventional channels in a multiple system environment.

