



GP328 Plus

Motorola's Smallest Professional Radio



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MOTOROLA'S SMALLEST PROFESSIONAL RADIO

Compact, Light & Rugged

Instant communication is important to many operations, as is the ability to be mobile and move freely without being weighed down by your communication tools.

Motorola's newest professional two-way radio packs a range of cutting edge innovations into one compact and lightweight radio designed to continue the Motorola heritage of offering the very best that portable radios can offer.

Introducing Motorola GP328 Plus non-keypad the smallest in Motorola's Professional Series. It is compact, light and fit easily into the palm of your hand.



GP328 Plus

Users

Public Safety:

The GP328 Plus is compact enough to fit neatly underneath a jacket - most suited for any covert operation. It is light and can be worn comfortably on the waist enabling hands free mobility. And, for those in control during emergency rescue operations like air crashes, bombings and riots, the GP328 Plus is instant command and control tool with clear audio quality for you to manage a crisis efficiently.

Private Security:

From transporting money to providing professional protection, the rugged palm-sized GP328 Plus is discreet and provide clear audio reception even in a high noise environment.

Management:

Maintain a professional image and benefit from the speed and efficiency of radio communication with the compact and light GP328 Plus radio. You are assured of clear instant communication at the touch of a button anytime, anywhere.

Hospitality:

From conducting floor-to-floor security checks to addressing urgent conference room requests or delivering personal items, the compact GP328 Plus radio allow you to serve your guests faster with increased mobility.



*Lightweight and fits easily
into the palm of your hand*



GP328 Plus with slim battery

GP328 Plus

Common Key Features and Benefits

Advanced Audio Technology

Motorola's special voice compression and low level expansion technology enable crisper, clearer and stronger audio quality, allowing you to keep communicating even in a noisy environment.

Switchable RF Power Levels

By just pressing one button, users can switch to a low power when communicating within limited range coverage or switch to a high power level when further distance is required. A high transmit power optimises range coverage while a low transmit power conserves battery consumption.

GP328 Plus -

Compact & Easy to Use

The compact GP328 Plus offers a palm-sized solution for professionals on the go who want to stay in touch all the time.

The compact GP328 Plus offers a palm-sized solution for professionals on the go who want to stay in touch all the time. Equipped with user friendly features and intuitive programmable buttons for easy navigation, the GP328 Plus can enhance your productivity and streamline your radio operations.

16 channels

Provides users with a maximum of 16 channels to organise different work groups to meet different communication needs.

LED Battery Gauge

The tri-colour LED battery gauge at the top of the radio alerts users to recharge the battery when the battery level is low.

Enhance Your Radios' Capabilities

A comprehensive range of accessories is available so that the radios can be customised to suit your needs. Adding the proper headsets, microphones, batteries, chargers or carrying cases can enhance your operational productivity. Motorola's accessories are built with the highest quality standards and are specially engineered to ensure maximum performance of your radio, no matter what profession you're in.

Battery & Charger



Slim & Hicap Lilon Batteries
JMNN4023/JMNN4024



1350mAh FM Lilon Battery
PMMN4073



Single Unit Charger
PMTN4024 (US Plug)
PMTN4025 (Euro Plug)
PMTN4026 (UK Plug)

Audio Accessories



Remote Speaker Microphone
IP57-Rated (Mic Head Only)
PMMN4023



Earbud with Microphone/PTT
PMLN4519



Accessory Adapter
PMLN4455

Carrying Accessories



Soft Leather Case with Swivel Clip
**PMLN4421

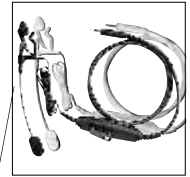


Nylon Case with Swivel Clip
**PMLN4470

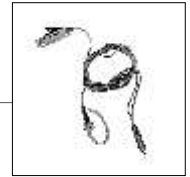
**recommend for non-keypad models.



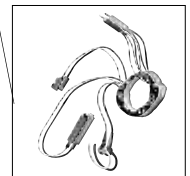
PMLN 4455
to be used with 3.5mm threaded range of Audio Accessories



Earpiece/Headset
NMN6246
BDN6780



2-wire surveillance
BDN6667 (Biege)
BDN6729 (Black)



3-wire surveillance
BDN6668 (Biege)
BDN6730 (Black)

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 Temp	500.1	1, 2	501.2	1, 2	501.3	1, 2
Low Temp	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

Factory Mutual Approval

GP328 Plus radio unit is certified by Factory Mutual Approvals as intrinsically safe for use in Division 1, Class I, II, III, Groups C,D,E,F,G and Division 2, Class I, Groups A,B,C,D, when ordered with the Factory Mutual approved battery option.

Motorola: Reliability & Quality



Accelerated Life Testing

Stringent Motorola 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.

GP328 Plus Specification*

GENERAL SPECIFICATION	UHF
*Frequency (MHz)	350 - 351 MHz
Channel Capacity	GP328 Plus is 16 Channels
Power Supply	Provided through rechargeable battery - 75V
Dimensions (Radio footprint height excluding knobs)	H x W x D
With Lilon (Slim) Battery:	1015 mm x 55.5 mm x 30.5 mm
With Lilon (Hicap)Battery:	1015 mm x 55.5 mm x 35.5 mm
Weight	GP328 Plus
With Lilon (Slim) Battery:	250 gm
With Lilon (Hicap)Battery:	270 gm
Average Battery Life @ 5/5/90 Cycle	Low Power
With Lilon (Slim) Battery:	10 hours
With Lilon (Hicap)Battery:	14 hours
Sealing	Withstands rain testing per MILSTD 810 C / D / E and IP54
Shock and Vibration	Protection provided via impact resistant housing exceeding MILSTD 810 C / D / E and TIA/EIA 603
Dust and Humidity	Protection provided via environment resistant housing exceeding MILSTD 810 C / D / E and TIA/EIA 603
TRANSMITTER SPECIFICATION	UHF
*Frequency (MHz)	350--351MHz
Channel Spacing	12.5 kHz
Freq Stability (-30°C to 60°C, +25°C Ref.)	2.5 ppm
Power Output	4W (UHF)
Modulation Limiting	±2.5 @ 12.5kHz
FM Hum & Noise	-40 dB
Conducted/Radiated Emission	-36 dBm < 1 GHz / -30 dBm > 1 GHz
Modulation FCC Type	12.5 kHz 11K0F3E
Audio Response (from 6 dB/octave pre-emphasis 300-3000Hz)	+1 to -3 dB
Audio Distortion	3%
RECEIVER SPECIFICATION	UHF
*Frequency (MHz)	350--351MHz
Sensitivity (12dB SINAD) EIA	.25µV
Intermodulation (EIA)	70 dB
Adjacent Channel Selectivity	60 dB @ 12.5kHz
Spurious Rejection	70 dB
Rated Audio	500 mW
Audio Distortion	3%
Hum & Noise	-40 dB
Audio Response (300-3000Hz)	+1 to -3 dB
Conducted Spurious Emission	-57 dBm < 1GHz, -47 dBm > 1GHz, FCC Part 15

* Availability subject to country law and regulations.

Radios meet applicable regulatory requirements.

All specifications shown are subject to change without notice. Specifications are not representative of all radios and may vary in different radios.



MOTOROLA

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AC3-04-010 Rev.6