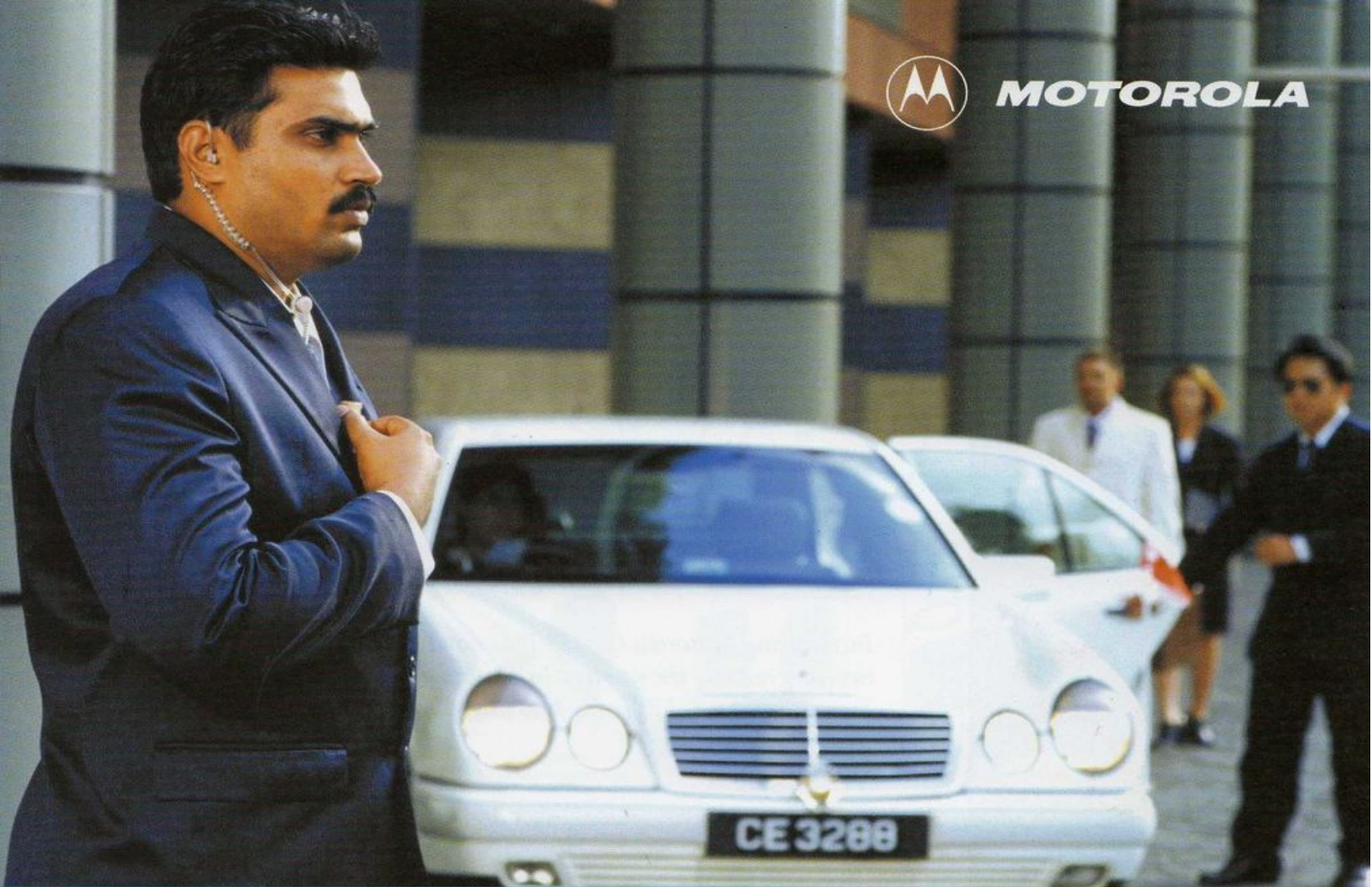




MOTOROLA



Motorola's Smallest Professional Radio

Compact, Easy to Use & Versatile



GP328 Plus & GP338 Plus Professional Portable Radios

GP328 Plus & GP338 Plus Specifications

| GENERAL SPECIFICATION | VHF / UHF | | | |
|---|--|----------|----------------------------|-----------|
| *Frequency (MHz) | 136 - 174 / 330 - 400 / 403 - 470 / 450 - 527 | | | |
| Channel Capacity | GP328 Plus is 16 Channels | | GP338 Plus is 128 Channels | |
| Power Supply | Provided through rechargeable battery - 7.5V | | | |
| Dimensions (Radio footprint height excluding knobs) | H | x | W | D |
| With Lilon (Slim) Battery: | 101.5 mm | x | 55.5 mm | x 30.5 mm |
| With Lilon (Hicap) Battery: | 101.5 mm | x | 55.5 mm | x 35.5 mm |
| Weight | GP328 Plus | | GP338 Plus | |
| With Lilon (Slim) Battery: | 250 gm | | 250 gm | |
| With Lilon (Hicap) Battery: | 270 gm | | 270 gm | |
| Average Battery Life @ 5/5/90 Cycle | Low Power | | High Power | |
| With Lilon (Slim) Battery: | 10 hours | | 7 hours | |
| With Lilon (Hicap) Battery: | 14 hours | | 10 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/EIA603 | | | |

| TRANSMITTER SPECIFICATION | VHF / UHF | |
|---|--|----------|
| *Frequency (MHz) | 136-174 / 330-400 / 403-470 / 450-527 | |
| Frequency Separation | Full bandsplit | |
| Channel Spacing | 12.5 / 20 / 25kHz | |
| Freq Stability (-30°C to 60°C, +25°C Ref.) | 2.5 ppm | |
| Power Output | 5W (VHF) | 4W (UHF) |
| Modulation Limiting | ±2.5 @ 12.5kHz, ±4.0 @ 20kHz, ±5.0 @ 25kHz | |
| FM Hum & Noise | -40 dB | |
| Conducted/Radiated Emission | -36 dBm < 1 GHz / -30 dBm > 1 GHz | |
| Modulation FCC Type | 12.5 kHz 11K0F3E , 25 kHz 16K0F3E | |
| Audio Response (from 6 dB/octave pre-emphasis 300-3000Hz) | +1 to -3 dB | |
| Audio Distortion | 3% | |

| RECEIVER SPECIFICATION | VHF / UHF | |
|------------------------------|---|--|
| *Frequency (MHz) | 136-174 / 330-400 / 403-470 / 450-527 | |
| Frequency Separation | Full bandsplit | |
| Sensitivity (12dB SINAD) EIA | .25µV | |
| Intermodulation (EIA) | 70 dB | |
| Adjacent Channel Selectivity | 60 dB @ 12.5kHz, 70 dB @ 25 kHz | |
| 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's law and regulations / Specifications subject to change without notice.
All specifications shown are typical. Radios meet applicable regulatory requirements.



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