



MOTOROLA
intelligence everywhere™



The Motorola CP040 offers simple radio communication for small and medium-sized organisations at a very competitive price.

Designed with small and medium-sized warehousing, agriculture, security, light industry and services customers in mind, the four channel CP040 requires minimal training and keeps team members in touch without distracting them with complicated features. Management can monitor all voice traffic and get a message to the team in seconds, however large the site.

INTRODUCING THE COMMERCIAL SERIES PORTABLE TWO-WAY RADIO – THE CP040

VALUE AND SIMPLICITY IN THE PALM OF YOUR HAND

Benefiting from a 75 year history in the business of communication, Motorola welcomes you to the future of two-way radio with the Commercial Series. Comprising new portable radios for work-teams that need to keep in touch wherever they are, the family also includes four mobile radios for powerful in-vehicle or fixed site communications.

EASY TO USE

Using the CP040 is second nature thanks to the tough and textured buttons, chunky rotary channel, volume knobs and tricolour status LED. In addition, two programmable buttons can be set to give immediate access to the four most often-used features, making communication even simpler.

TARGETED COMMUNICATION

With four communication channels, you can use the CP040 to liaise with the whole team or change channel to discuss a more complicated issue one-to-one.

KEEP IN TOUCH

The CP040 has a high/low power setting that allows users to extend battery life for up to 19 hours* from a

single battery charge. This can be done by switching to low power when the user is in close proximity to other users, as the range is reduced and less power is required.

Avoid missed messages with the built-in 'scan' function that searches all four channels for activity.

MOTOROLA QUALITY

Designed and built to the gruelling American standard MIL spec 810F and exceeding the exacting IP54 standard for environmental protection, the CP040 has also passed the Motorola Accelerated Life Test which replicates five years of hard use in the field.

QUALITY AUDIO

Benefiting from Motorola's market-leading experience in designing and manufacturing two-way radio, the CP040 provides excellent audio quality thanks to Motorola's voice-compression technology, X-Pand™.

CUSTOMISABLE

As you would expect from Motorola, the CP040 is supported by a wide range of energy, audio and carry accessories, changing the CP040 into a customised solution.

*Based on 5:5:90 (transmit:receive:standby) duty cycle, with low power setting and high capacity lithium ion battery in normal operating conditions.



HLN9701 – Nylon Carry Case



HMN9754 – Two Wire Beige Earpiece with Combined Microphone and PTT



WPLN4139 – Rapid Desktop Charger (Euro)
WPLN4140 – Rapid Desktop Charger (UK)



HMN9030 – Rugged Remote Speaker Microphone

TECHNICAL SPECIFICATIONS

| General | VHF | UHF1 | UHF2 | UHF3 |
|--|--|---------------|---------------|---------------|
| Frequency | 146 - 174 MHz | 403 - 440 MHz | 438 - 470 MHz | 465 - 495 MHz |
| Channel Capacity | 4 Channels | | | |
| Power Supply | 7.5 Volts ± 20% | | | |
| Dimensions (H x W x D) | 130 x 62 x 42mm (with Slim Li-Ion Battery) | | | |
| Weight | 376g with Slim Li-Ion Battery | | | |
| Average Battery Life at Room Temperature (5:50 duty cycle) | 1 W | 5 W | 1 W | 4 W |
| Standard Capacity NiMH Battery | 13 Hrs | 10 Hrs | 13 Hrs | 10 Hrs |
| Slim Li-Ion Battery | 17 Hrs | 12 Hrs | 17 Hrs | 12 Hrs |
| High Capacity Li-Ion Battery | 19 Hrs | 14 Hrs | 19 Hrs | 14 Hrs |

| Receiver | VHF | | UHF1 | | UHF2 | | UHF3 | |
|--------------------------------------|-------------------|-----------|----------|-----------|----------|-----------|----------|-----------|
| | 12.5 kHz | 20/25 kHz | 12.5 kHz | 20/25 kHz | 12.5 kHz | 20/25 kHz | 12.5 kHz | 20/25 kHz |
| Sensitivity (12 dB EIA SINAD) | 0.25 µV (typical) | | | | | | | |
| Adjacent Channel Selectivity | -60 dB | -70 dB | -60 dB | -70 dB | -60 dB | -70 dB | -60 dB | -70 dB |
| Intermodulation | -70 dB | | | | | | | |
| Frequency Stability (-30°C to +60°C) | 0.00025% | | | | | | | |
| Spurious Rejection | -70 dB | | | | | | | |
| Audio Output @ < 5% Distortion | 500 mW | | | | | | | |

| Transmitter | VHF | | UHF1 | | UHF2 | | UHF3 | |
|--|-------------------|------|------|------|--------------------------|------|------|------|
| | Low | High | Low | High | Low | High | Low | High |
| RF Output: NiMH @ 7.5V | 1 W | 5 W | 1 W | 4 W | 1 W | 4 W | 1 W | 4 W |
| Channel Spacing | 12.5/20/25 kHz | | | | | | | |
| Frequency Stability (-30°C to +60°C) | 0.00025% | | | | | | | |
| Spurs/Harmonics | -36 dBm < 1 GHz | | | | -30 dBm > 1 GHz to 4 GHz | | | |
| Audio Response (from 6 dB/oct. Pre-emphasis, 300 to 3000 Hz) | +1, -3 dB | | | | | | | |
| Audio Distortion @ 1000 Hz, 60% Rated Max. Dev. | < 3% | | | | | | | |
| FM Noise | -40 dB (12.5 kHz) | | | | -45 dB (25 kHz) | | | |



| MIL Standard 810F | | |
|--------------------|---------|------------|
| Applicable MIL-STD | Methods | Procedures |
| Low Pressure | 500.4 | 1 |
| High Temperature | 501.4 | 1,2 |
| Low Temperature | 502.4 | 1,2 |
| Temperature Shock | 503.4 | 1 |
| Solar Radiation | 505.4 | 1 |
| Rain | 506.4 | 1 |
| Humidity | 507.4 | 3 |
| Salt Fog | 509.4 | 1 |
| Dust | 510.4 | 1 |
| Vibration | 514.5 | 1 |
| Shock | 516.5 | 1 |

MODEL NUMBERS

| Model Number | Signalling | Channels | Frequency | Power |
|-----------------|------------|----------|-------------|-------|
| MDHS0KDC9AA1A1N | PL | 4 | 146-174 MHz | 1.5 W |
| MDHS0QDC9AA1A1N | PL | 4 | 403-440 MHz | 1.4 W |
| MDHS0RDC9AA1A1N | PL | 4 | 438-470 MHz | 1.4 W |
| MDHS0SDC9AA1A1N | PL | 4 | 465-495 MHz | 1.4 W |

ENVIRONMENTAL STANDARDS & SPECIFICATIONS

| | |
|--|---------------|
| Operating Temperature | -30 to +60 °C |
| Storage Temperature | -40 to +85 °C |
| Thermal Shock | -40 to +80 °C |
| Dust & Water Intrusion | IP54 |
| Radios meet all applicable regulatory requirements: | |
| R&TTE Directive 1999/5/EC | |
| Applicable Standards EN300 086-2, EN301 489-01, EN301 489-05, EN60950 | |
| ISO 9001 Standard – Compliance with ISO 9001, an international quality system assurance on design, development, production, installation and servicing of a product. | |

For more information contact your local Motorola authorised two-way radio dealer:



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ACCESSORIES

All radios are supplied with a slim lithium ion battery for optimal performance. A belt clip and rapid desktop charger are also included to get you started.

| Batteries | |
|------------|--|
| NNTN4851 | Standard Capacity NiMH Battery |
| NNTN4970 | Slim Li-Ion Battery |
| NNTN4497 | High Capacity Li-Ion Battery |
| Chargers | |
| WPLN4139 | Rapid Desktop Charger (Euro) |
| WPLN4140 | Rapid Desktop Charger (UK) |
| WPLN4162 | Rapid Multi-Unit Charger (Euro) |
| WPLN4163 | Rapid Multi-Unit Charger (UK) |
| Carry | |
| HLN8255 | 7.5cm Spring Action Belt Clip |
| HLN9701 | Nylon Carry Case with Belt Loop and D Rings |
| HLN9985 | Waterproof Bag |
| RLN4815 | Universal RadioPack |
| RLN5383 | Leather Carry Case with Belt Loop and D Rings |
| RLN5385 | Leather Carry Case with Swivel Belt Loop |
| Audio | |
| HMIN030 | Rugged Remote Speaker Microphone |
| HMIN9727 | Single Wire Beige Earpiece |
| HMIN9754 | Two Wire Beige Earpiece with Combined Microphone and PTT |
| MDPMLN4445 | Ultra-Light Earset with In-Line PTT |
| MDPMLN4442 | Earbud with Combined Microphone and PTT |
| MDPMLN4443 | Flexible Ear Receiver with Combined Microphone and PTT |
| MDPMLN4008 | Remote Speaker Microphone |
| RLN5238 | Stadium Headset with In-Line PTT |

All specifications are subject to change without notice.



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