YOU'RE COMPLETELY CONNECTED

With this dynamic evolution of MOTOTRBO digital two-way radios, you’re better connected, safer and more productive. The DP4000e Series is designed for the skilled professional who refuses to compromise. With high performance integrated voice and data, and advanced features for efficient operation, these next-generation radios deliver complete connectivity to your organisation.

CONNECTED
The MOTOTRBO DP4000e Series is a family of DMR-standard digital radios that delivers operations-critical voice and communications. Bluetooth® audio lets you talk without wires, integrated Wi-Fi enables remote software updates, and indoor and outdoor location-tracking capabilities give you total visibility of your resources. With support for trunking as well as legacy analogue technology, you can keep your organisation connected as it grows.

SAFE
Safeguard your staff with responsive push-to-talk technology. The prominent orange emergency button on DP4000e Series radios summons help with one touch, using Transmit Interrupt to clear a channel when necessary. An integrated accelerometer senses if you’ve fallen, and can initiate a call for assistance. The radio is tested tough to military standards and is waterproof to IP68. It won’t let you down.

PRODUCTIVE
Text messaging and Work Order Ticketing simplify complex communications, and data capabilities support advanced applications. Featuring a powerful audio amplifier, these radios deliver loud, clear speech, with industrial noise cancellation for better intelligibility. The latest energy technology delivers up to 28 hours of battery life for 3-shift working, and an improved receiver boosts range further.

WHAT’S NEW IN THESE NEXT GENERATION RADIOS
• Integrated accelerometer for optional Man Down
• Bluetooth® 4.0
• Indoor location tracking
• Multi-constellation GPS for increased location accuracy
• Integrated Wi-Fi
• Over-the-air software updates
• Enhanced audio quality
• Improved expandability
• Better battery life (up to 28 hrs)
• Better range
• Better waterproofing (IP68)
## General Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Full Keypad (FKP) Model</th>
<th>Limited Keypad (LKP) Model</th>
<th>No Keypad (NKP) Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
<td>DP4800e, DP4801e*</td>
<td>DP4601e*</td>
<td>DP4400e*, DP4401e*</td>
</tr>
<tr>
<td>Band</td>
<td>VHF, UHF, 806-825 MHz</td>
<td>VHF, UHF, 403-527 MHz</td>
<td>VHF, UHF, 403-527 MHz</td>
</tr>
<tr>
<td>Frequency</td>
<td>136-174 MHz, 403-527 MHz</td>
<td>806-825 MHz, 851-870 MHz</td>
<td>136-174 MHz, 403-527 MHz</td>
</tr>
<tr>
<td>High Power Output</td>
<td>5 W</td>
<td>2.5 W</td>
<td>5 W</td>
</tr>
<tr>
<td>Low Power Output</td>
<td>1 W</td>
<td>1 W</td>
<td>1 W</td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>12.5, 20, 25 kHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Channel Capacity</td>
<td>1000</td>
<td>1000</td>
<td>32</td>
</tr>
<tr>
<td>Dimensions (H x W x D), Radio + Standard 2250 mAh Battery</td>
<td>130 x 55 x 41 mm</td>
<td>130 x 55 x 41 mm</td>
<td>130 x 55 x 40 mm</td>
</tr>
<tr>
<td>Weight, Radio + Standard 2250 mAh Battery</td>
<td>347 g</td>
<td>347 g</td>
<td>322 g</td>
</tr>
<tr>
<td>Dimensions (H x W x D), Radio + Slim 2050 mAh Battery</td>
<td>130 x 55 x 36 mm</td>
<td>130 x 55 x 36 mm</td>
<td>130 x 55 x 34 mm</td>
</tr>
<tr>
<td>Weight, Radio + Slim 2050 mAh Battery</td>
<td>325 g</td>
<td>325 g</td>
<td>300 g</td>
</tr>
<tr>
<td>Dimensions (H x W x D), Radio + High Capacity 3000 mAh Battery</td>
<td>130 x 55 x 41 mm</td>
<td>130 x 55 x 41 mm</td>
<td>130 x 55 x 40 mm</td>
</tr>
<tr>
<td>Weight, Radio + High Capacity 3000 mAh Battery</td>
<td>347 g</td>
<td>347 g</td>
<td>322 g</td>
</tr>
<tr>
<td>Digital / Analogue Battery Life(^1), Standard 2250 mAh Battery</td>
<td>22 / 16.5 hrs</td>
<td>21 / 16 hrs</td>
<td>21 / 17.5 hrs</td>
</tr>
<tr>
<td>Digital / Analogue Battery Life(^1), Slim 2050 mAh Battery</td>
<td>20 / 15 hrs</td>
<td>19 / 14.5 hrs</td>
<td>19 / 15.5 hrs</td>
</tr>
<tr>
<td>Digital / Analogue Battery Life(^1), High Capacity 3000 mAh Battery</td>
<td>29 / 22 hrs</td>
<td>28 / 21.5 hrs</td>
<td>28 / 23 hrs</td>
</tr>
<tr>
<td>Power Supply (Nominal)</td>
<td></td>
<td></td>
<td>7.5 V</td>
</tr>
</tbody>
</table>

\(^1\) Battery life based on Analog mode.
**TRANSMITTER SPECIFICATIONS**

- **Channel Spacing**: 12.5, 20, 25 kHz
- **4FSK Digital Modulation**: 12.5 kHz Data: 7K60F1D and 7K60FXD, 12.5 kHz Voice: 7K60F1E and 7K60FXE, Combination of 12.5 kHz Voice and Data: 7K60FW
- **Digital Protocol**: ETSI TS 102 361-1, -2, -3
- **Intermodulation (TIA603D)**: -70 dBm < 1GHz, -30 dBm > 1GHz
- **Adjacent Channel Power**: 80dB (12.5 kHz channel), 70dB (20 and 25 kHz channel)
- **Frequency Stability**: ±0.5 ppm
- **Digital Sensitivity (12dB SINAD)**: 0.16 µV
- **Intermodulation (TIA603D)**: 70 dB
- **Adjacent Channel Selectivity, (TIA603A)-1T**: 60 dB (12.5 kHz channel), 70dB (20 and 25 kHz channel)
- **Adjacent Channel Selectivity, (TIA603D)-2T & (TIA603C-2T)**: 45 dB (12.5 kHz channel), 70dB (20 and 25 kHz channel)
- **Spurious Rejection (TIA603D)**: 70 dB

**RECEIVER SPECIFICATIONS**

- **Analog Sensitivity**: 0.16 µV
- **Digital Sensitivity (5% BER)**: 0.14 µV
- **Hum and Noise**: 41 µV
- **Humidity**: 41 µV
- **Receivable Audio Power**: 41 µV
- **Conducted Spurious Emissions (TIA603D)**: -57 dBm

**BLUEPRINT SPECIFICATIONS**

- **Version**: 4.0
- **Range**: Class 2, 10 m
- **Supported Profiles**: Bluetooth Headset Profile (HSP), Serial Port Profile (SPP), Motorola fast push-to-talk.
- **Simultaneous Connections**: 1 x audio accessory and 1 x data device
- **Permanent Discoverable Mode**: Optional

**GNSS SPECIFICATIONS**

- **Constellation Support**: GPS, GLONASS
- **Time To First Fix, Cold Start**: < 80 s
- **Time To First Fix, Hot Start**: < 10 s
- **Horizontal Accuracy**: < 5 m

**Wi-Fi SPECIFICATIONS**

- **Standards Supported**: IEEE 802.11b, 802.11g, 802.11n
- **Security Protocol Supported**: WPA, WPA-2, WEP
- **Maximum Number of SSIDs**: 128 (84 for LKP and NKP models)

**RECEIVING SPECIFICATIONS**

- **Audio Response**: TIA603D
- **Rated Audio**: 0.5 W
- **Audio Distortion at Rated Audio**: 3%
- **Hum and Noise**: -40 dB (12.5 kHz channel), -45 dB (20 and 25 kHz channel)

**ENVIRONMENTAL SPECIFICATIONS**

- **Operating Temperature**: -30 °C to +60 °C
- **Storage Temperature**: -40 °C to +85 °C
- **Electrostatic Discharge**: IEC 61000-4-2 Level 4
- **Dust and Water Intrusion**: IEC 60529 - IP68
- **Humidity**: 70 dB (20 and 25 kHz channel)
- **Adjacent Channel Power**: 80dB (12.5 kHz channel), 70dB (20 and 25 kHz channel)
- **Frequency Stability**: ±0.5 ppm

**HAZLOC CERTIFICATION**

- UL-Approved to TIA-4950 for use in Hazardous Locations, Division 1, Class I, II, III, Groups C,D,E, F, G; Division 2, Class1, Groups A,B,C,D when properly equipped with Motorola UL-Approved battery.

**NOTES**

1. Typical battery life, 5/5/90 profile at maximum transmitter power with GNSS, Bluetooth, Wi-Fi and Option Board applications disabled. Actual observed runtimes may vary.
2. Radio only. Specialised low-temperature battery required for operation below -10 °C.

**MILITARY STANDARDS**

- **MIL-STD 810C**
- **MIL-STD 810D**
- **MIL-STD 810E**
- **MIL-STD 810F**
- **MIL-STD 810G**

**CONNECT**

- **5 GHz Band, 5 W**
- **8 GHz Band, 4 W**
- **Freq Models**: Colour screen, full keypad, 1000 channels
- **LPK Models**: Mono screen, limited keypad, 1000 channels
- **NKP models**: No screen or keypad, 32 channels
- **Analogue and Digital**: Voice and Data
- **Integrated Wi-Fi**
- **Canned Text Messaging**
- **Forefront Text Messaging** (EKF models)
- **Work Order Ticketing**
- **Multi-constellation GNSS**
- **High Efficiency GNSS**
- **Event Driven Location Update**
- **Bluetooth Audio**
- **Bluetooth Data**
- **Bluetooth Permanent Discovery Mode**
- **Bluetooth Indoor Location Tracking**
- **Voice Announcement**
- **Text to Speech**
- **Option Board**
- **Home Channel Reminder**

**AUDI**

- **Intelligent Audio**
- **IMPROY Audio**
- **SINCS-Noise Cancellation**
- **Acoustic Feedback Suppressor**
- **Microphone Distortion Control**
- **User-Selectable Audio Profiles**
- **Switch Speaker**
- **Toll Enhancement**

**CUSTOMIS**

- **Wide Range of Accessories**
- **Multi-Button PT**
- **5 Programmable Buttons** (3 for NKP model)
- **Emergency Button**

**MILITARY SPECIFICATIONS**

- **Connect Plus**
- **Capacity Max**
- **Capacity Plus**
- **Rugged to MIL-STD 810**
- **Radio Disable / Enable**
- **Remote Monitor**
- **Emergency**
- **Transmit Interrupt**
- **SINC+ Noise Cancellation**
- **Integrated Wi-Fi**
- **Integrated Accelerometer**
- **Man Down**
- **Basic Privacy**
- **Enhanced Privacy**
- **AES Encryption**
- **Transmit Interrupt**
- **Emergency**
- **Emergency Search Tone**
- **Remote Monitor**
- **Radio Disable / Enable**
- **HazLoc Certification**
- **Waterproof to IP68**
- **Rugged to MIL-STD 810**

**SYSTEMS**

- **Dual Capacity Direct Mode**
- **Conventional**
- **IP Site Connect**
- **Capacity Plus**
- **Capacity Max**
- **Connect Plus**

**OPTIONAL**
BLUETOOTH
Connect to your radio without wires, for extra comfort and safety. A full portfolio of Bluetooth headsets and earpieces is available.

REMOTE SPEAKER MICROPHONE
Improve usability with a Remote Speaker Microphone (RSM). Choose from standard, heavy duty and noise-cancelling models, with or without secondary earpiece connector.

SMART ENERGY
Motorola’s patented IMPRES™ Energy technology gives you smart batteries to keep your radio powered for longer. Choose from a range of batteries, chargers, and management tools.

EARPIECES
For all-day comfort, choose from our range of earpieces. Lightweight or heavy duty, discreet or rugged, with or without built-in hearing protection.

CARRY SOLUTIONS
However you choose to wear or carry your radio, we have a solution for you. From leather cases to belts and belt clips to bags, straps and pouches.

HEADSETS
In a noisy workplace, you need to protect your workers’ hearing. Whether it’s heavy duty noise reduction or innovative temple transducer technology, our headsets can help.

SCREEN PROTECTORS
In ultra-harsh environments, your radio’s screen can get scratched and abraded. Keep it clear and readable with these durable pre-cut screen protectors.

VIBRATING BELTCLIP
When it’s unacceptable to miss calls in a noisy environment, equip your radios with a powerful vibrating belt clip for an extra physical alert.

For more details on DP4000e accessories, please download the MOTOTRBO Professional Accessories Catalogue.

To get connected with MOTOTRBO, please contact your local Motorola representative or visit motorolasolutions.com.au