



# MOTOTRBO™ DM2600 MOBILE RADIOS

DIGITAL, NOW WITHIN REACH



Picking up cargo or re-routing buses or delivery trucks, how do you make sure your people stay connected and safe? MOTOTRBO can help by putting the power of digital communications within reach. Versatile and powerful, the MOTOTRBO DM2600 combines the best of two-way radio functionality with the latest digital technology for enhanced voice communications.

MOTOTRBO DM2600 mobile radios are compact and capable for the busy mobile worker who needs digital technology at an affordable cost. You get all the advantages of digital – including systems capability, twice the calling capacity and clearer voice communications.

The MOTOTRBO DM2600 has full systems capability, so when you need the flexible coverage of IP Site Connect or the traffic-handling capability of Capacity Plus, the DM2600 can deliver.

DM2600 is the perfect fit for your existing system, too. With easy scalability and analogue interoperability, you can move to digital at your own pace and budget allowing you to transform your operation with digital voice communication. By enabling efficient and reliable communications, the DM2600 can help you achieve even greater productivity, safety and cost-efficiency.

## FEATURES

- Analogue / Digital
- Voice Communications
- Alphanumeric Display
- Intelligent Audio
- Enhanced Privacy<sup>1</sup>
- Dual Capacity Direct Mode
- Digital Mobile Radio (DMR) Standards Compliant
- Integrated Analogue 5 Tone Signalling<sup>1</sup>
- Voice Announcement
- Texting
- IP54 Rated
- Radio Management Suite compatible
- Transmit Interrupt<sup>1</sup>
- Digital Telephone Interconnect<sup>1</sup>
- Over The Air Programming (OTAP)<sup>1</sup>
- IP Site Connect
- Capacity Plus<sup>1</sup>
- Linked Capacity Plus<sup>1</sup>

**AFFORDABLE VOICE COMMUNICATIONS FOR THE BUSY PROFESSIONAL  
WHO WANTS BETTER CONNECTIVITY**

## **HEAR AND BE HEARD CLEARLY ON THE MOVE**

When it comes to exceptional audio quality, digital technology can't be beaten. The DM2600 delivers clarity throughout your coverage area plus unique features to help employees hear and be heard clearly. With its Intelligent Audio, for example, drivers don't need to adjust their radio volume when there is a lot of background road noise, as the radio adjusts itself.

Unleash the power of your DM2600 mobiles with Motorola Original® accessories. They're the only accessories designed, built and tested with your radio to optimise its performance (see separate accessory fact sheet for full portfolio).

## **MIGRATE AT YOUR OWN PACE**

Keeping operations running smoothly during a change in communication systems is vital to your operation. Now you can transition to digital with great confidence and low risk at a price you can afford. It's easy to migrate because the DM2600 operates in both analogue and digital modes. Channels can be configured as either digital or analogue and the radio will scan for both types so you can use your existing analogue system and move to digital when time and budget allow.

## **CONNECT MORE PEOPLE, MORE PRODUCTIVELY**

Whether your people are delivering packages or transporting passengers, you'll appreciate our radio's easy scalability. All it takes is a simple software upgrade to add key features like Enhanced Privacy for increased security or the Transmit Interrupt Suite to prioritise critical communication.

And when you want to expand capacity or coverage, rely on IP Site Connect which uses IP networks to extend coverage to employees anywhere in the world. Use single-site Capacity Plus to reach many more workers without adding new frequencies, and count on Linked Capacity Plus for affordable wide area trunking.

## **IMPROVE THEIR EFFECTIVENESS**

With enhanced features and integrated systems capability, the DM2600 helps your workers be more effective at what they do. Voice Announcement, for example, calls out channel and zone changes so they don't have to look at the radio while they're on the go. And convenient one-touch programmable buttons provide fast access to their favorite radio features.

## **INTEGRATE YOUR DEVICES SEAMLESSLY**

Make sure your new MOTOTRBO system is ready when you are. We can bring together the right experts and processes to help you integrate MOTOTRBO mobile radios into your existing system, quickly and cost-effectively. This includes Coverage Mapping, Site Integration, Device Programming and IP Networking Services.

## **GET DURABILITY THAT ENDURES**

The DM2600 is made to last. It is backed by a two-year standard warranty and a minimum one-year warranty for Motorola-branded accessories. Moreover, the design has been proven tough in Motorola's unique and gruelling Accelerated Life Test program, in which the radio must survive a simulated 5 years of hard service before it is accepted. In addition, optional Service from the Start provides multi-year peace of mind with fast repair turnaround times, expert telephone technical support and access to the latest software releases<sup>2</sup>; all backed by Motorola's globally integrated services infrastructure, highly qualified support technicians and certified repair facilities.



**PRODUCT SPEC SHEET**  
MOTOTRBO™ DM2600 MOBILE RADIOS



**GENERAL SPECIFICATIONS**

|                        | DM2600                                   |  |
|------------------------|--|--|
|                        | VHF                                      | UHF 1                                    |
| Channel Capacity       | 160                                      |  |
| Typical RF Output      |  |  |
| Low Power              | 1-25 W                                   | 1-25 W                                   |
| High Power             | 25-45 W                                  | 25-40 W                                  |
| Frequency              | 136-174 MHz                              | 403-470 MHz                              |
| Dimensions (H x W x L) | 44 x 169 x 134 mm                        |  |
| Weight                 | 1.3 kg                                   |  |
| Operating Voltage      | 10.8-15.6 VDC, 13.2 VDC Nominal          |  |
| Current Drain          |  |  |
| Standby                | 0.81 A max                               | 0.81 A max                               |
| Rx @ Rated Audio       | 2 A max                                  | 2 A max                                  |
| Transmit               | 1-25 W: 11.0 A max / 25-45 W: 14.5 A max | 1-25 W: 11.0 A max / 25-40 W: 14.5 A max |

**RECEIVER**

|   |   |                                       |
|---|---|---------------------------------------|
| Frequency                                     | 136-174 MHz   | 403-470 MHz                           |
| Channel Spacing                               | 12.5 kHz / 20 kHz / 25 kHz  |                                       |
| Frequency Stability (-30°C, +60°C, +25°C Ref) | ± 0.5 ppm   |                                       |
| Analogue Sensitivity                          | 0.3 uV (12 dB SINAD)<br>0.22 uV (typical) (12 dB SINAD)<br>0.4 uV (20 dB SINAD) |                                       |
| Digital Sensitivity                           | 0.25 uV (5% BER)<br>0.19 uV (typical) (5% BER)                                  |                                       |
| Intermodulation                               | 65 dB   |                                       |
| Adjacent Channel Selectivity                  | 60 dB @ 12.5 kHz<br>70 dB @ 20/25 kHz   | 60 dB @ 12.5 kHz<br>70 dB @ 20/25 kHz |
| Spurious Rejection                            | 70 dB   |                                       |
| Rated Audio                                   | 4 W (Internal)<br>7.5 W (External - 8 ohms)<br>13 W (External - 4 ohms)         |                                       |
| Audio Distortion @ Rated Audio                | 3% (typical)  |                                       |
| Hum and Noise                                 | -40 dB @ 12.5 kHz<br>-45 dB @ 20/25 kHz   |                                       |
| Audio Response                                | +1, -3 dB   |                                       |
| Conducted Spurious Emissions                  | -57 dBm   |                                       |

**TRANSMITTER**

|   |  |             |
|---|--|-------------|
| Frequency                                     | 136-174 MHz  | 403-470 MHz |
| Channel Spacing                               | 12.5 kHz / 20 kHz / 25 kHz                                       |             |
| Frequency Stability (-30°C, +60°C, +25°C Ref) | ± 0.5 ppm  |             |
| Low Power Output                              | 1-25 W   |             |
| High Power Output                             | 25-45 W  | 25-40 W     |
| Modulation Limiting                           | ± 2.5 kHz @ 12.5 kHz<br>± 4.0 kHz @ 20 kHz<br>± 5.0 kHz @ 25 kHz |             |
| FM Hum and Noise                              | -40 dB @ 12.5 kHz<br>-45 dB @ 20/25 kHz                          |             |
| Conducted / Radiated Emission                 | -36 dBm < 1 GHz<br>-30 dBm > 1 GHz                               |             |
| Adjacent Channel Power                        | 60 dB @ 12.5 kHz<br>70 dB @ 20/25 kHz                            |             |
| Audio Response                                | +1, -3 dB  |             |
| Audio Distortion                              | 3%   |             |
| Digital Vocoder Type                          | AMBE +2™   |             |
| Digital Protocol                              | ETSI TS 102 361-1, -2, -3  |             |

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**MILITARY STANDARDS**

|                   | 810C   |                 | 810D   |             | 810E   |             | 810F   |               | 810G   |                 |
|-------------------|--------|-----------------|--------|-------------|--------|-------------|--------|---------------|--------|-----------------|
|                   | Method | Procedures      | Method | Procedures  | Method | Procedures  | Method | Procedures    | Method | Procedures      |
| Low Pressure      | 500.1  | I               | 500.2  | II          | 500.3  | II          | 500.4  | II            | 500.5  | II              |
| High Temperature  | 501.1  | I, II           | 501.2  | I/A1, II/A1 | 501.3  | I/A1, II/A1 | 501.4  | I/Hot, II/Hot | 501.5  | I/A1, II        |
| Low Temperature   | 502.1  | I               | 502.2  | I/C3, II/C1 | 502.3  | I/C3, II/C1 | 502.4  | I/C3, II/C1   | 502.5  | I/C3, II        |
| Temperature Shock | 503.1  | –               | 503.2  | I/A1/C3     | 503.3  | I/A1/C3     | 503.4  | I             | 503.5  | I/C             |
| Solar Radiation   | 505.1  | II              | 505.2  | I           | 505.3  | I           | 505.4  | I             | 505.5  | I/A1            |
| Rain              | 506.1  | I, II           | 506.2  | I, II       | 506.3  | I, II       | 506.4  | I, III        | 506.5  | I, III          |
| Humidity          | 507.1  | II              | 507.2  | II          | 507.3  | II          | 507.4  | –             | 507.5  | II - Aggravated |
| Salt fog          | 509.1  | –               | 509.2  | –           | 509.3  | –           | 509.4  | –             | 509.5  | –               |
| Dust              | 510.1  | I               | 510.2  | I           | 510.3  | I           | 510.4  | I             | 510.5  | I               |
| Vibration         | 514.2  | VIII/F, Curve-W | 514.3  | I/10, II/3  | 514.4  | I/10, II/3  | 514.5  | I/24          | 514.6  | I/24            |
| Shock             | 516.2  | I, II           | 516.3  | I, IV       | 516.4  | I, IV       | 516.5  | I, IV         | 516.6  | I, IV, V, VI    |

**ENVIRONMENTAL SPECIFICATIONS**

|                          |                            |
|--------------------------|----------------------------|
| Operating Temperature    | -30°C / +60°C              |
| Storage Temperature      | -40°C / +85°C              |
| Thermal Shock            | Per MIL-STD                |
| Humidity                 | Per MIL-STD                |
| ESD                      | IEC 61000-4-2 Level 3      |
| Dust and Water Intrusion | IP54, MIL-STD <sup>3</sup> |
| Packaging Test           | Per MIL-STD                |

<sup>1</sup> Optional features

<sup>2</sup> Software release covers patches and maintenance releases of the current version to the operating system i.e. that shipped with the terminal.

<sup>3</sup> Radio meets IP54 and MIL-STD rating with microphone sealing boot and rear accessory connector cover properly installed.

Specifications subject to change without notice.

All specifications shown are typical unless otherwise stated.

Radio meets applicable regulatory requirements.

**MOTOTRBO™**  
DIGITAL REMASTERED.

For more information on the MOTOTRBO DM2600, visit [motorolasolutions.com/mototrbo](http://motorolasolutions.com/mototrbo) or find your closest Motorola representative or authorised Partner at [motorolasolutions.com/contactus](http://motorolasolutions.com/contactus)

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