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[1]
- Dual Capacity Direct Mode
- Digital Mobile Radio (DMR) Standards Compliant
- Integrated Analogue 5 Tone Signalling[1]
- Voice Announcement
- Texting
- IP54 Rated
- Radio Management Suite compatible
- Transmit Interrupt[1]
- Digital Telephone Interconnect[1]
- Over The Air Programming (OTAP)[1]
- IP Site Connect
- Capacity Plus[1]
- Linked Capacity Plus[1]

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[2]; 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 High Power	 1-25 W 25-45 W	 1-25 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 Rx @ Rated Audio Transmit	 0.81 A max 2 A max 1-25 W: 11.0 A max / 25-45 W: 14.5 A max	 0.81 A max 2 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) 0.22 uV (typical) (12 dB SINAD) 0.4 uV (20 dB SINAD)	
Digital Sensitivity	0.25 uV (5% BER) 0.19 uV (typical) (5% BER)	
Intermodulation	65 dB	
Adjacent Channel Selectivity	60 dB @ 12.5 kHz 70 dB @ 20/25 kHz	60 dB @ 12.5 kHz 70 dB @ 20/25 kHz
Spurious Rejection	70 dB	
Rated Audio	4 W (Internal) 7.5 W (External - 8 ohms) 13 W (External - 4 ohms)	
Audio Distortion @ Rated Audio	3% (typical)	
Hum and Noise	-40 dB @ 12.5 kHz -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 ± 4.0 kHz @ 20 kHz ± 5.0 kHz @ 25 kHz	
FM Hum and Noise	-40 dB @ 12.5 kHz -45 dB @ 20/25 kHz	
Conducted / Radiated Emission	-36 dBm < 1 GHz -30 dBm > 1 GHz	
Adjacent Channel Power	60 dB @ 12.5 kHz 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	

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[3]
Packaging Test	Per MIL-STD

[1] Optional features
[2] Software release covers patches and maintenance releases of the current version to the operating system i.e. that shipped with the terminal.
[3] 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.

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

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