



# MOTOTRBO™ SL4010e

## YOU'RE SMARTER, CONNECTED

**With this dynamic evolution of MOTOTRBO digital two-way radios, you're smarter, better connected and more productive. The SL4010e is designed for the manager who needs complete control. With a slim and light form factor incorporating high performance integrated voice and data, this next-generation radio delivers smart connectivity to your organisation.**

### SMART

The MOTOTRBO SL4010e is an ETSI DMR Standards compliant slim and light portable radio that connects you with sophistication. Pocket-sized and with a smooth outline, the radio features a full keypad and 5-line colour screen with a customisable display scheme. The built-in vibrate function alerts you quietly when you need to be discreet, and a comprehensive range of audio accessories allows you to stay connected without disturbing your customers.

### CONNECTED

With integrated voice and data, the SL4010e delivers operation critical communications. Bluetooth® lets you talk without wires, while also enabling precise indoor location-tracking. Powerful audio and advanced noise cancellation ensure your call is heard, even in noisy environments, and 280-character text messaging simplifies complex communications. Integrated Wi-Fi® enables remote software updates, minimising downtime and keeping you connected.

### PRODUCTIVE

With a clear user interface designed to support productivity applications such as Work Order Ticketing, the SL4010e helps your staff make the most of their work day. Voice Announcement and Text-to-Speech allow users to monitor radio settings and text communications hands-free, while sophisticated scan functions keep you in touch with many teams at once.





<b>Model Number</b>	SL4010e
<b>Band</b>	UHF Band 1
<b>GENERAL SPECIFICATIONS</b>	
<b>Frequency</b>	403-470 MHz
<b>High Power Output</b>	3 W
<b>Low Power Output</b>	1 W
<b>Channel Spacing</b>	12.5 kHz
<b>Channel Capacity</b>	1000
<b>Li-ion 2300mAh Battery</b>	
<b>Dimensions with Radio (H x W x D)</b>	121 x 55 x 23 mm
<b>Weight with Radio</b>	174 g
<b>Battery Life<sup>1</sup></b>	14.3 hrs
<b>Power Supply (Nominal)</b>	3.7 (Nominal)

### KEY FEATURES OF THE SL4010e RADIO

- Integrated accelerometer for optional Man Down
- Bluetooth® 4.0
- Indoor location tracking
- Integrated Wi-Fi
- Over-the-air software updates
- Upgraded audio for greater clarity at high volume
- Improved expandability
- Increased transmitter power, for greater range
- Selectable power levels

## TRANSMITTER SPECIFICATIONS

<b>4FSK Digital Modulation</b>	12.5 kHz Data: 7K60F1D and 7K60FXD 12.5 kHz Voice: 7K60F1E and 7K60FXE Combination of 12.5 kHz Voice and Data: 7K60F1W
<b>Digital Protocol</b>	ETSI TS 102 361-1, -2, -3 DMR Tier II & Tier III
<b>Conducted/Radiated Emissions (TIA603D)</b>	-36 dBm < 1GHz, -30 dBm > 1GHz
<b>Frequency Stability</b>	± 1.5 ppm

## RECEIVER SPECIFICATIONS

<b>Digital Sensitivity (5% BER)</b>	0.15 uV
<b>Conducted Spurious Emissions (TIA603D)</b>	-57 dBm

## AUDIO SPECIFICATIONS

<b>Digital Vocoder Type</b>	AMBE+2™
<b>Audio Response</b>	TIA603D
<b>Rated Audio</b>	0.5 W
<b>Audio Distortion at Rated Audio</b>	3%

## BLUETOOTH SPECIFICATIONS

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

## Wi-Fi SPECIFICATIONS

<b>Standards Supported</b>	IEEE 802.11b, 802.11g, 802.11n
<b>Security Protocol Supported</b>	WPA, WPA-2, WEP
<b>Maximum Number of SSIDs</b>	128

## ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature<sup>2</sup></b>	-20 °C to +60 °C
<b>Storage Temperature<sup>2</sup></b>	-30 °C to +70 °C
<b>Electrostatic Discharge</b>	IEC 61000-4-2 Level 3
<b>Dust and Water Intrusion</b>	IEC 60529 - IP54
<b>Salt Fog</b>	5% NaCl for 8 hrs at 35 C, 16 hrs standing
<b>Packaging Test</b>	MIL-STD 810D and E

<sup>1</sup> Typical battery life, 5/5/90 profile at maximum transmitter power with Bluetooth, Wi-Fi and Option Board applications disabled. 1370mAh battery rating is for 2W output. Actual observed runtimes may vary.

<sup>2</sup> Radio only. Battery operation down to -10°C only.

- Standard feature
- Optional feature

## CONNECTION

- UHF Band, 3 W
- Colour Screen
- Full Keypad
- 1000 Channels
- Digital Only
- Voice and Data
- Integrated Wi-Fi
- Canned Text Messaging
- Freeform Text Messaging
- Work Order Ticketing
- Bluetooth Audio
- Bluetooth Data
- Bluetooth Permanent Discoverable Mode
- Bluetooth Indoor Location Tracking
- Voice Announcement
- Text to Speech
- Option Board SL4010e
- Home Channel Reminder
- Vibrate Alert
- Ambient Light Sensor

## AUDIO

- Intelligent Audio
- SINC+ Noise Cancellation
- Acoustic Feedback Suppressor
- Microphone Distortion Control
- User-Selectable Audio Profiles
- Switch Speaker
- Trill Enhancement

## PERSONALISATION

- Wide Range of Accessories
- 2 Programmable Buttons
- Emergency Button

## MANAGEMENT

- Radio Management
- Over-the-Air Programming
  - Over-the-Air Software Update

## SAFETY

- Integrated Accelerometer
- Man Down
- Lone Worker
- Basic Privacy
- Enhanced Privacy
  - AES256 Encryption
- Transmit Interrupt (decode)
- Transmit Interrupt (encode)
- Digital Emergency
- Emergency Search Tone
- Remote Monitor
- Radio Disable / Enable
- Rated to IP54
- Rugged to MIL-STD 810

## SYSTEMS

- Direct Mode (including Dual Capacity Direct Mode)
- IP Site Connect (Single and Multi-Site)
- Capacity Plus (Single and Multi-Site)
- Capacity Max

## MILITARY STANDARDS

	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE
<b>Low Pressure</b>	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
<b>High Temp</b>	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/A1
<b>Low Temp</b>	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/C1
<b>Temp Shock</b>	503.1	I	503.2	A1/C3	503.3	A1/C3	503.4	I	503.5	I-C
<b>Solar Radiation</b>	505.1	II	505.2	I/Hot-Dry	505.3	I/Hot-Dry	505.4	I/Hot-Dry	505.5	I/A1
<b>Rain</b>	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III
<b>Dust</b>	510.1	I, II	510.2	I, II	510.3	I, II	510.4	I, II	510.5	I, II
<b>Vibration</b>	514.2	VIII/F, W, XI	514.3	I/10, II/3	514.4	I/24, II/5	514.5	I/24, II/5	514.6	I/24, II/5
<b>Shock</b>	516.2	I, II	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.6	I, IV

### BLUETOOTH

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



### COVERT ACCESSORIES

When you need to stay in touch discreetly, choose from our range of covert audio accessories. From clear tube earpieces to virtually invisible wireless in-ear units.



### ENERGY SOLUTIONS

Make sure your radio is powered and charged properly, with our range of energy solutions. Choose from single and multi-unit chargers, and slim and high capacity batteries.



### 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 carry your SL4010e, we have a solution available. For example, the secure plastic holster protects the radio while keeping it easily to hand.



### RSMs

Make sending and receiving messages even easier with a Remote Speaker Microphone designed specifically for the SL range.



To discover how to be smartly connected, visit [www.motorolasolutions.com/mototrbo](http://www.motorolasolutions.com/mototrbo) or find your closest Motorola representative or authorised Partner at [www.motorolasolutions.com/contactus](http://www.motorolasolutions.com/contactus)

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