# 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.

**MOTOROLA** SOLUTIONS

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

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

## RECEIVER SPECIFICATIONS

| | |
|---|---|
| **Digital Sensitivity (5% BER)** | 0.15 uV |
| **Conducted Spurious Emissions (TIA603D)** | -57 dBm |

## AUDIO SPECIFICATIONS

| | |
|---|---|
| **Digital Vocoder Type** | AMBE+2™ |
| **Audio Response** | TIA603D |
| **Rated Audio** | 0.5 W |
| **Audio Distortion at Rated Audio** | 3% |

## BLUETOOTH SPECIFICATIONS

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

## Wi-Fi SPECIFICATIONS

| | |
|---|---|
| **Standards Supported** | IEEE 802.11b, 802.11g, 802.11n |
| **Security Protocol Supported** | WPA, WPA-2, WEP |
| **Maximum Number of SSIDs** | 128 |

## ENVIRONMENTAL SPECIFICATIONS

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

[1] 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.
[2] 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 |
| **Low Pressure** | 500.1 | I | 500.2 | II | 500.3 | II | 500.4 | II | 500.5 | II |
| **High Temp** | 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 |
| **Low Temp** | 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 |
| **Temp Shock** | 503.1 | I | 503.2 | A1/C3 | 503.3 | A1/C3 | 503.4 | I | 503.5 | I-C |
| **Solar Radiation** | 505.1 | II | 505.2 | I/Hot-Dry | 505.3 | I/Hot-Dry | 505.4 | I/Hot-Dry | 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 |
| **Dust** | 510.1 | I, II | 510.2 | I, II | 510.3 | I, II | 510.4 | I, II | 510.5 | I, II |
| **Vibration** | 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 |
| **Shock** | 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** or find your closest Motorola representative or authorised Partner at **www.motorolasolutions.com/contactus**

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