



# MOTOTRBO™ SL2K SERIES

## YOU'RE SMARTER, CONNECTED

With this dynamic evolution of MOTOTRBO digital two-way radios, you're smarter, better connected and more productive. The SL2K Series is designed for the manager who needs complete control. With a slim and light form factor incorporating high performance integrated voice and data, these next-generation radios deliver smart connectivity to your organisation.

### SMART

The MOTOTRBO SL2K Series is a family of DMR-standard slim and light portable radios that connects you with sophistication. Pocket-sized and with a smooth outline, the radios feature a full keypad and 5-line colour screen with customisable display schemes. A 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 SL2K Series delivers operations-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.

### PRODUCTIVE

With a clear user interface designed to support productivity applications such as Work Order Ticketing, the SL2K Series helps your staff make the most of their work day. Voice Announcement and Text-to-Speech features allow you to monitor radio settings and text communications hands-free, and sophisticated scan functions keep you in touch with many teams at once.



### WHAT'S NEW IN THESE NEXT GENERATION RADIOS

- 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 UHF transmitter power, for greater range

**PRODUCT DATA SHEET**  
**MOTOTRBO™ SL2K SERIES**  
**DIGITAL TWO-WAY RADIOS**



Model Number	SL2K		
Band	UHF Band 1	UHF Band 2	800
<b>GENERAL SPECIFICATIONS</b>			
Frequency	403-470 MHz	450-512 MHz	806-825 MHz, 851-870 MHz
High Power Output	3 W	3 W	2 W
Low Power Output	1 W	1 W	1 W
Channel Spacing	12.5 kHz		
Channel Capacity	1000		
Dimensions (H x W x D), Radio + Standard Battery	121 x 55 x 23 mm		
Weight, Radio + Standard Battery	174 g		
Battery Life, Standard 2200 mAh Battery <sup>1</sup>	13.5 hrs		
Power Supply (Nominal)	3.7 V		



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**ALL MODELS**

**TRANSMITTER SPECIFICATIONS**

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: 7K60F1W
Digital Protocol	ETSI TS 102 361-1, -2, -3
Conducted/Radiated Emissions (TIA603D)	-36 dBm < 1GHz, -30 dBm > 1GHz
Frequency Stability	± 1.5 ppm

**RECEIVER SPECIFICATIONS**

Digital Sensitivity (5% BER)	0.19 µV
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), Serial Port Profile (SPP), Motorola 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 <sup>2</sup>	-20 °C to +60 °C
Storage Temperature <sup>2</sup>	-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

**CONNECTION**

- UHF Band, 3 W
- 800MHz, 2W
- 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
- Bluetooth Permanent Discovery Mode
- Bluetooth Indoor Location Tracking
- Voice Announcement
- Text to Speech
- Option Board
- 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

**CUSTOMISATION**

- 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
- AES Encryption
- Transmit Interrupt
- Digital Emergency
- Emergency Search Tone
- Remote Monitor
- Radio Disable / Enable
- Waterproof to IP54
- Rugged to MIL-STD

**SYSTEMS**

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

**NOTES**

1: Typical battery life, 5/5/90 profile at maximum transmitter power with Bluetooth, Wi-Fi and Option Board applications disabled. Actual observed runtimes may vary.

2: Radio only. Battery operation down to -10 °C only.

Specifications subject to change without notice. All specifications shown are typical values.

**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.



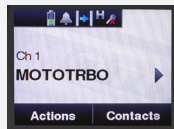
## EARPIECES

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



## 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.



## CARRY SOLUTIONS

However you choose to carry your SL4000e Series, we have a solution available. For example, the secure plastic holster protects the radio while keeping it easily to hand.



For details on SL2K Series accessories, please download the MOTOTRBO Professional Accessories Catalogue.

To discover how to be smartly connected, visit [motorolasolutions.com/MOTOTRBO](http://motorolasolutions.com/MOTOTRBO)

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**MOTOTRBO™**  
DIGITAL REMASTERED.