

[Data sheet](#)[EMEA](#)[LACR](#)[APAC](#)

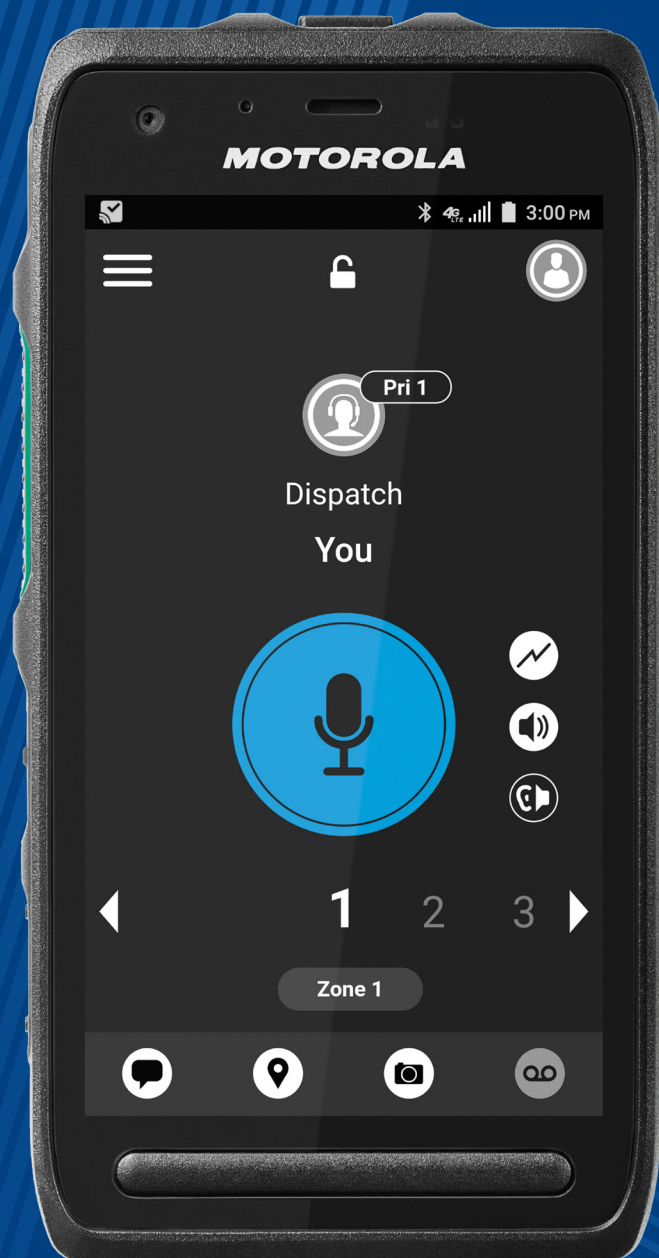
LEX L11

Mission-critical smart device

When hardware, software, and accessories work seamlessly together, the result is a device that works seamlessly for you.

Introducing the LEX L11 Mission-Critical Smart Device, designed with public safety users in mind. Every feature and function has been thoughtfully considered in this rugged device to make it easy to operate. It boasts loud and clear audio, intuitive operation, and long battery life.

Rugged and durable yet streamlined and slim, you can count on the LEX L11 to perform when it's needed most.



MOTOROLA SOLUTIONS

Key features

Intuitive controls

- Dedicated push-to-talk button
- Dedicated emergency button
- Dedicated talkgroup rocker switch
- Two programmable buttons

High quality audio performance

- Noise and echo cancellation
- Dual front facing loud speakers
- Howling suppression
- Holster with audio tunnelling technology

Accessories suite

- Standard and high capacity battery options
- Field swappable battery
- Standard and fast charging cables
- Holsters, vehicle and desktop cradles, single- and multi-unit chargers and 3.5mm headsets

Secure mobile platform

- Trusted boot
- Real-time device protection
- Data-at-rest (DAR) and data-in-transit (DIT) security
- Auditing and logging
- Supports secure device management

Radio Integration

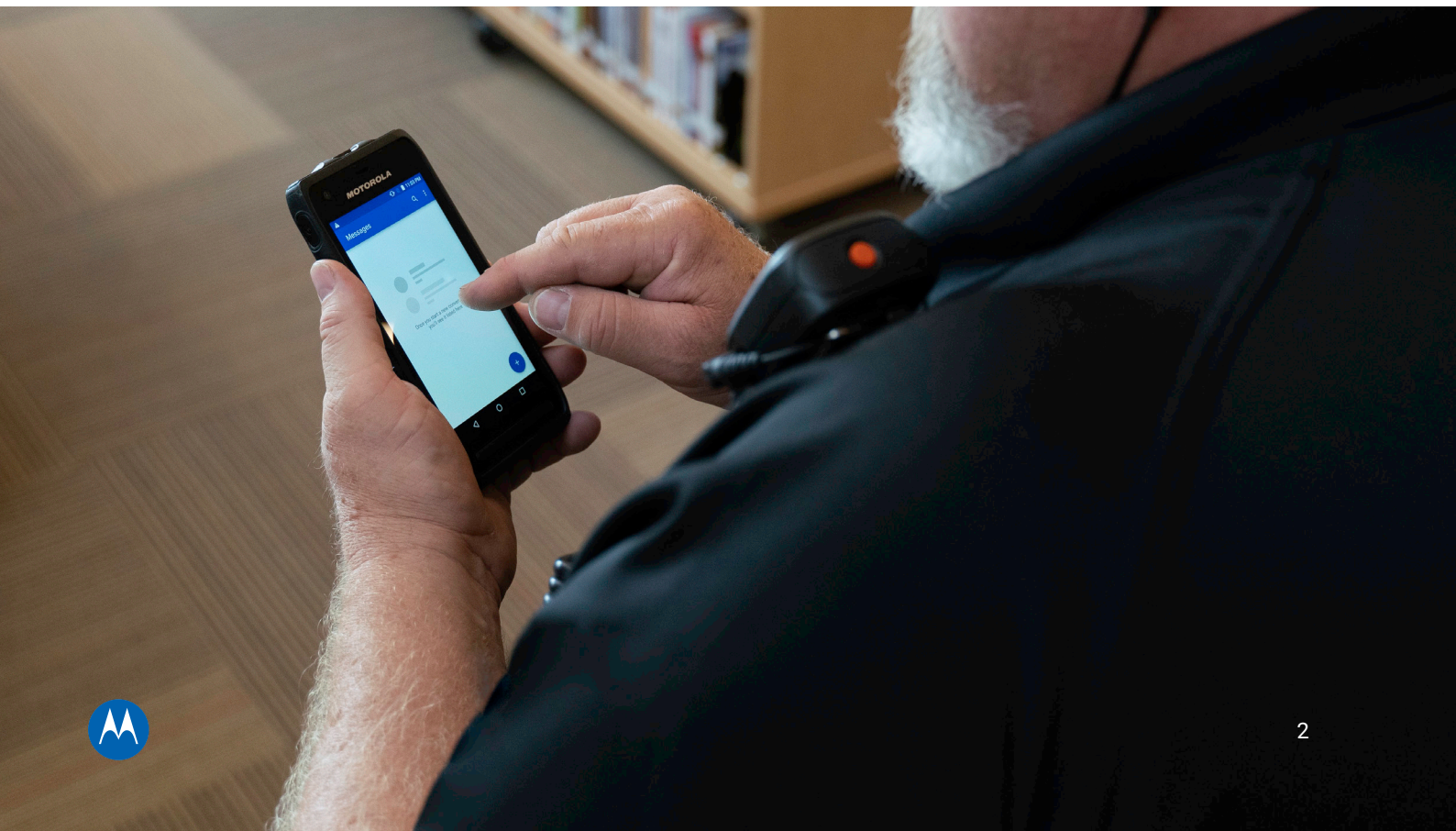
- Control Motorola Solutions TETRA radios via Bluetooth with the M-Radio Control app
- Search and change talkgroups
- Read and reply to SDS text messages
- Send operational status messages
- Initiate private simplex / duplex calls
- Access recent talkgroups and recent calls lists

Compatible with Broadband PTT Application

- Supports Motorola Solutions' Broadband PTT applications with:
- Enhanced Noise Suppression and optimised loudness
- Meets 3GPP MCPTT standard KPI's¹
- Full control using the LEX L11's physical buttons

Performs even in the harshest environments

- MIL-STD-810G for drop and shock
- IP-67 rated



CONNECTIVITY	
LTE Bands ² :	NA: 2, 4, 5, 7, 12, 13, 14, 25, 26, 29, 30, 66 EMEA: 1, 3, 7, 8, 20, 28, 38, 39, 40 APAC & LA: 1, 2, 3, 4, 5, 7, 8, 19, 26, 28, 38, 40, 41 GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz UMTS: 2100 MHz, 1900 MHz, 1700 MHz, 900 MHz, 850 MHz
Carrier Certifications ³	Certified for use on many international carriers around the world
Bluetooth	Bluetooth 5.0
GPS	Standalone GPS, Assisted GPS (aGPS), GLONASS
NFC	Reader/Writer mode Peer-to-Peer mode Card emulation mode UICC SE is supported for card emulation mode
Wi-Fi - Operating Band	2.4 GHz, 5 GHz
Wi-Fi - Standards	802.11 a/b/g/n/ac/k/r
3GPP Rel	12+ compliant
MC PTT QCI Support	QCI-65 (MC Voice), QCI-66 (Non-MC Voice), QCI-69 (MC signalling) and QCI-70 (MC data) QCI-67 (MC Video) supported, but with QCI 5 or 9 parameters
eMBMS	Supported from Release R3.2
SECURITY	
Root Detection	Included
Multi-Factor Authentication	Configurable
Remote Configuration	Trusted 3rd Party Provided
OTA Firmware and Software Upgrades	Trusted 3rd Party Provided
Allowed Application List	Trusted 3rd Party Provided
Over-the-Air Wipe and Lock	Trusted 3rd Party Provided
Real-Time Integrity Monitoring	Included
Malware Blocking	Included, with zero day attack protection
Resource Management ³	Configurable (including Applications, Wi-Fi, Bluetooth®, Camera)
Certification	DISA STIG, Common Criteria (NIAP/CSfC)
BATTERY	
Capacity	Field swappable IMPRES™2 Standard Capacity - 2,500 mAh High-Capacity - 5,000 mAh
Battery Life	Standard Capacity - 10 hours High-Capacity - 20 hours

RUGGEDNESS	
Operating Temperature	-20°C to 55°C (-4°F to 131°F) (Battery charges between 0°C to 45°C (32°F to 113°F)) Low Temperature Operational per MIL STD 810G, Method 502.5, Procedure II, High Temperature Operational per MIL STD 810G, Method 501.5, Procedure II
Storage Temperature	-46°C to +85°C (-50.8°F to 185°F) Low Temperature Storage per MIL STD 810G, Method 502.5, Procedure I / C3, High Temperature Storage per MIL STD 810G, Method 501.5, Procedure I, Cycle A1
Temperature Shock	MIL STD 810G, Method 503.5, Procedure I-C -37°C to +71°C (-34.6°F to 159.8 °F)
Mechanical Shock	MIL STD 810G, Method 516.6, Procedure I (functional)
Drop	MIL-STD-810G 4ft on smooth concrete at 25°C (77°F)
Salt fog	MIL STD 810G, Method 509.5
Solar Radiation	MIL STD 810G, Method 505.5, Procedure I
Random Vibration	MIL STD 810G, Method 514.6, Cat. 4 Random, Figure 514.6C-1. (HARD MOUNT)
Shock (Crash Hazard)	MIL STD 810G, Method 516.6, Procedure V
Humidity	MIL STD 810D Procedure I, Table 507.2-I MIL STD 810G, Method 507.5, Procedure II
Dust Resistance & Water Immersion	IEC 60529 IP67, with installed battery
ESD	IEC 61000-4-2, Level 4. (+/-15kV air, +/-8kV contact)
Ball Impact	Chrome steel ball 130g (4.5oz), 1.25" diameter, 50 cm (19 inch) on the display
PHYSICAL	
Dimensions (H x W x D). With Standard Battery	152.5mm x 78mm x 13.2mm (6.00 x 3.07 x 0.51 inch)
Dimensions (H x W x D). With High-Capacity Battery	152.5mm x 78mm x 19.2mm (6.00 x 3.07 x 0.75 inch)
Weight. With Standard Battery	260 g (9.17 oz)
Weight. With High-Capacity Battery	310 g (10.93 oz)
AUDIO	
Input	Three microphones for superior noise suppression and echo cancellation
Output	112 dB SPL at 5cm 98 phon at 30cm
Audio Formats	PCM, AAC/AAC+/eAAC+. WMA, WMA Lossless, WMAPro 10, AMR NB/WB, FLAC, ALAC, Vorbis, APE, AC3, eAC3, Non Native DSD



HARDWARE	
Display	5.0" (127mm) 1280 x 720 Capacitive, touch-screen with Corning® Gorilla® Glass
Memory	4 GB RAM 64 GB Internal Storage Storage is expandable with external 400 GB microSD™ card
Camera	Rear 13 MP Auto Focus High-Output LED Flash Digital Zoom Front 8 MP
Sensor Platform	Fingerprint Sensor Proximity Sensor with Gesture Sensor Ambient Light Sensor Accelerometer Barometer Gyroscope E-Compass
Ports	USB-C 3.5mm audio (stereo)
Mission Critical Buttons	Dedicated PTT Button Dedicated Emergency Button Talkgroup Rocker Switch 2 Programmable Buttons Power Button Volume (Up / Down) Buttons
SIM	Dual Nano Sim
Charging	Qualcomm Quick Charge (with Quick Charge Wall Adapter) via USB-C

SOFTWARE	
Operating System	Android™ 11 ⁴
Google Mobility Services	Enabled
Google Approvals	Android Enterprise Recommended (Includes Zero Touch Enrolment)
VIDEO AND IMAGING	
Supported Formats	H.263, H.264, MPEG-4 SP, VP8, JPEG (.jpg), GIF (.gif), PNG (.png), BMP (.bmp), WebP (.webp) Formats Supported for Playback, Streaming and Recording
Supported File Types	3GPP (.3gp), MPEG-4 (.mp4), WebM (.webm), (.mkv)
Video Recording Quality	4K (UHD) at 30 fps 1080p (FHD) at 60 fps

¹ Verified with the Motorola Kodiak Solution.

² Some bands will require in country regulatory approval.

³ To discuss your specific needs, please contact your local Motorola Solutions representative.

⁴ Upgradeable to Android 13.

To learn more, visit: motorolasolutions.com/LEXL11

Available in Motorola Solutions APAC, EMEA and LACR regions. Availability varies and is subject to individual country law and regulations.
All specifications shown are typical unless otherwise stated and are subject to change without notice.

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