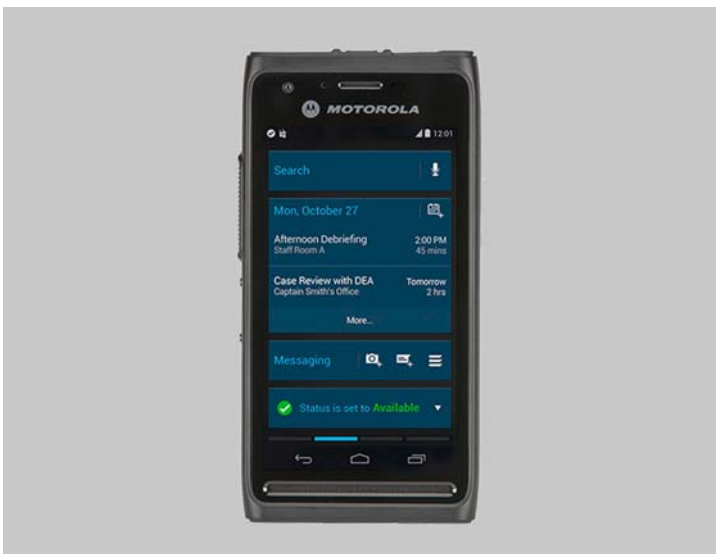


# LEX L10i/LEX L10ig MISSION CRITICAL HANDHELD FCC REGULATORY



Motorola Solutions reserves the right to make changes to any product to improve reliability, function, or design. Motorola Solutions does not assume any product liability arising out of, or in connection with, the application or use of any product, circuit, or application described herein. No license is granted, either expressly or by implication, estoppel, or otherwise under any patent right or patent, covering or relating to any combination, system, apparatus, machine, material, method, or process in which Motorola Solutions products might be used. An implied license exists only for equipment, circuits, and subsystems contained in Motorola Solutions products.

## Warranty

For the complete Motorola hardware product warranty statement, go to: <http://www.motorolasolutions.com/warranty>.

## Service Information

If you have a problem using the equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Motorola Solutions Global Customer Support at: <http://www.motorolasolutions.com/support>. For the latest version of this guide go to: <http://supportcentral.motorolasolutions.com>.



Motorola Solutions, Inc.  
1301 E. Algonquin Rd.  
Schaumburg, IL 60196-1078, U.S.A.  
<http://www.motorolasolutions.com>

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners.

© 2016 Motorola Solutions, Inc. All Rights Reserved.

## Regulatory Information

This device is approved under Motorola Solutions, Inc.

This guide applies to Model Number LEX L10i/LEX L10ig.

All Motorola Solutions devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

Local language translations are available at the following website: <http://supportcentral.motorolasolutions.com>.

Any changes or modifications to Motorola Solutions equipment, not expressly approved by Motorola Solutions, could void the user's authority to operate the equipment.



**CAUTION** Only use Motorola approved accessories, battery packs and battery chargers. Do NOT attempt to charge damp/wet handheld device or batteries. All components must be dry before connecting to an external power source. Declared maximum operating temperature: 14°F to 131°F (-10°C to +55°C).

## Bluetooth® Wireless Technology

This is an approved Bluetooth® product. For more information or to view End Product Listing, please visit <https://www.bluetooth.org/tpg/listings.cfm>.

## Wireless Device Country Approvals

Regulatory markings, subject to certification, are applied to the device signifying that the radio(s) is/are approved for use in the US.



Operation of the device without regulatory approval is illegal.

## Ad-Hoc Operation (5GHz Band)

Ad-Hoc operation is restricted in this device.

## Frequency of Operation – FCC 5GHz Only

The UNII (Unlicensed National Information Infrastructure) band 2c (5600-5650 MHz) is not supported in this device.

## 2.4 GHz Only

The available channels for 802.11 b/g operation in the US are Channels 1 to 11. The range of channels is limited by firmware.

## Health and Safety Recommendations

### Ergonomic Recommendations



**CAUTION** In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

- Reduce or eliminate repetitive motion
- Maintain a natural position
- Reduce or eliminate excessive force
- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration
- Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- Improve work procedures

### Vehicle Installation

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (including safety systems).

Check with the manufacturer or its representative regarding your

vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result. Position your device within easy reach. Be able to access your device without removing your eyes from the road. **Note:** Connection to an alert device that will cause a vehicle horn to sound or lights to flash, on receipt of a call on public roads, is not permitted.

**IMPORTANT:** Before installing or using, check state and local laws regarding windshield mounting and use of equipment.

For safe installation:

- Do not put your phone in a location that obstructs the drivers vision or interferes with the operation of the Vehicle.
- Do not cover an airbag.

### Safety on the Road

Do not take notes or use the device while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.

When driving a car, driving is your first responsibility - Give full attention to driving. Check the laws and regulations on the use of wireless devices in the areas where you drive. Always obey them.

When using a wireless device behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless device and any features such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands free device.
3. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
4. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
5. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
6. Use your wireless phone to call for help. Dial the Emergency services, (9-1-1) or other local emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone! The call can be made regardless of any security codes and depending on a network, with or without a SIM card inserted.
7. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call the Emergency Services, (9-1-1) or other local emergency number, as you would want others to do for you.
8. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

**"The wireless industry reminds you to use your device / phone safely when driving".**



### Warnings for Use of Wireless Devices

Please observe all warning notices with regard to the usage of wireless devices.

## Potentially Hazardous Atmospheres - Vehicles Use

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders) and any other area where you would normally be advised to turn off your vehicle engine.

### Safety in Aircraft

Switch off your wireless device whenever you are instructed to do so by airport or airline staff. If your device offers a 'flight mode' or similar feature, consult airline staff as to its use in flight.



### Safety in Hospitals

Wireless devices transmit radio frequency energy and may affect medical electrical equipment.

Wireless devices should be switched off wherever you are requested to do so in hospitals, clinics or healthcare facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

### Medical Devices

#### *Pacemakers, Defibrillators or other Implanted Medical Devices*

Persons with pacemakers, Implantable cardioverter-defibrillators (ICDs) or other active implantable medical devices (AIMD) should:

- Consult with their physicians regarding the potential risk of interference from radio frequency transmitters, such as portable (poorly shielded medical devices may be more susceptible to interference).
- Turn Handheld off immediately if they have any reason to suspect that interference is taking place.
- Do not carry LEX L10i/LEX L10ig in a chest pocket or near the implantation site, and carry or use the radio on the opposite side of their body from the implantable device to minimize the potential for interference

### Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

### Acoustic Safety

Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the volume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes undetectable at first and can have a cumulative effect.

To protect your hearing:

- Use the lowest volume necessary to do your job.
- Turn up the volume only if you are in noisy surroundings.
- Turn down the volume before adding headset or earpiece.
- Limit the amount of time you use headsets or earpieces at high volume.
- When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear.



### RF Exposure Guidelines

#### Safety Information

### Reducing RF Exposure - Use Properly

Only operate the device in accordance with the instructions supplied.



## Compliance with RF Exposure Standards

Your device is designed and tested to comply with a number of national standards and guidelines (listed below) for human exposure to radio frequency electromagnetic energy.

This device complies with the IEEE (FCC) limits for general population/uncontrolled environments.

Your Motorola device complies with the following RF energy exposure standards and guidelines:

- United States Federal Communications Commission (FCC), Code of Federal Regulations; 47 CFR et seq. & FCC, OET Bulletin 65
- Institute of Electrical and Electronic Engineers (IEEE) C95.1

## Phones (placed to ear or used with headset)

Use only Motorola tested and approved belt-clips, holsters, and similar accessories to ensure FCC Compliance. The use of third-party belt-clips, holsters, and similar accessories may not comply with FCC RF exposure compliance requirements, and should be avoided. The FCC has granted an Equipment Authorization for these model phones with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on these model phones is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/ea/fccid>.

## Co-located Statement

To comply with FCC RF exposure compliance requirement, the antenna used for this transmitter must not be co-located or operating in conjunction with any other transmitter/antenna except those already approved in this filing.

## Handheld Devices

This device was tested for typical body-worn operation. Use only Motorola tested and approved belt-clips, holsters, and similar wearable accessories.

The device can be operated inside a holster worn attached to a human body. If the device is used without a holster, maintain a 0.59 inch separation between the device and a human body.

## Power Supply

Use ONLY a Motorola approved power supply with electrical ratings: Output 5.0Vdc, min 1.2A, with a maximum ambient temperature of at least 122°F (50°C). Use of alternative power supply will invalidate any approvals given to this unit and may be dangerous.

## Batteries

### Battery Information

Only use Motorola approved batteries.

Motorola rechargeable battery packs are designed and constructed to the highest standards within the industry.

However, there are limitations to how long a battery can operate or be stored before needing replacement. Many factors affect the actual life cycle of a battery pack, such as heat, cold, harsh environmental conditions and severe drops.

When batteries are stored over six (6) months, some irreversible deterioration in overall battery quality may occur. Store batteries at half of full charge in a dry, cool place, removed from the equipment to prevent loss of capacity, rusting of metallic parts and electrolyte leakage. When storing batteries for one year or longer, the charge level should be verified at least once a year and charged to half of full charge.

Replace the battery when a significant loss of run time is detected.

Standard warranty period for all Motorola batteries is 30 days, regardless if the battery was purchased separately or included as part of the handheld device or bar code scanner. For more information on Motorola batteries, please visit: <http://mysymbolcare.symbol.com/battery/batbasics1.html>.

## Battery Safety Guidelines

- The area in which the units are charged should be clear of debris and combustible materials or chemicals. Particular care should be taken where the device is charged in a non commercial environment.
- Follow battery usage, storage, and charging guidelines found in the user's guide.
- Improper battery use may result in a fire, explosion, or other hazard.
- To charge the handheld device battery, the battery and charger temperatures must be between +32°F and +104°F (0°C and +40°C).
- Do not use incompatible batteries and chargers. Use of an incompatible battery or charger may present a risk of fire, explosion, leakage, or other hazard. If you have any questions about the compatibility of a battery or a charger, contact Motorola support.
- For devices that utilize a USB port as a charging source, the device shall only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.
- Do not disassemble or open, crush, bend or deform, puncture, or shred.
- Severe impact from dropping any battery-operated device on a hard surface could cause the battery to overheat.
- Do not short circuit a battery or allow metallic or conductive objects to contact the battery terminals.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, or expose to fire, explosion, or other hazard.
- Do not leave or store the equipment in or near areas that might get very hot, such as in a parked vehicle or near a radiator or other heat source. Do not place battery into a microwave oven or dryer.
- Battery usage by children should be supervised.
- Please follow local regulations to promptly dispose of used rechargeable batteries.
- Do not dispose of batteries in fire.
- Seek medical advice immediately if a battery has been swallowed.
- In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with large amounts of water and seek medical advice.
- If you suspect damage to your equipment or battery, contact Motorola support to arrange for inspection.

## Use with Hearing Aids

When some wireless devices are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and wireless devices also vary in the amount of interference they generate. In the event of interference you may want to consult your hearing aid supplier to discuss solutions.

The wireless telephone industry has developed ratings for some of their mobile phones, to assist hearing device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Motorola devices that are rated have the rating included on the Declaration of Conformity (DoC) at <http://www.motorolasolutions.com/doc>.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

## Radio Frequency Interference Requirements- FCC



**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful

interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

## Radio Transmitters (Part 15)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**The use of 5 GHz WLAN's, for use in the US, have the following restrictions:**

**Notched Band 5.60 - 5.65 GHz**

## Software Support

Motorola Solutions wants to ensure that customers have the latest entitled software at the time of device purchase in order to keep the device operating at peak performance levels. To confirm that your Motorola device has the latest entitled software available at the time of purchase, visit <http://www.motorolasolutions.com>.

Check for the latest software from Support > Products, or search for the device and select Support > Software Downloads.

If your device does not have the latest entitled software as of your device purchase date, e-mail Motorola at [entitlementservices@motorolasolutions.com](mailto:entitlementservices@motorolasolutions.com) and ensure you include the following essential device information:

- Model number
- Serial number
- Proof of purchase
- Title of the software download you are requesting.

If it is determined by Motorola that your device is entitled to the latest version of software, as of the date you purchased your device, you will receive an e-mail containing a link directing you to a Motorola Web site to download the appropriate software.