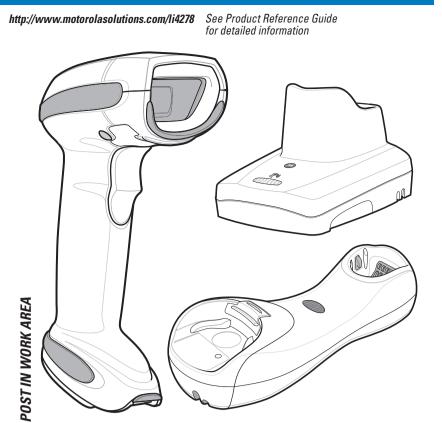
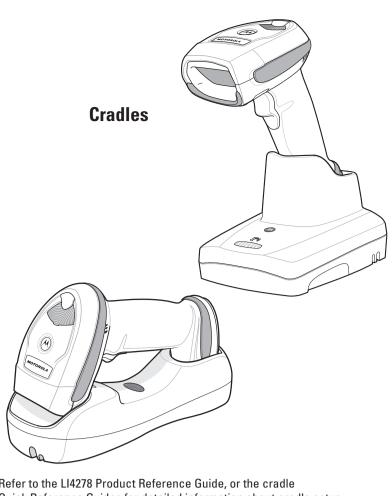
# LI4278 LINEAR IMAGER QUICK START GUIDE

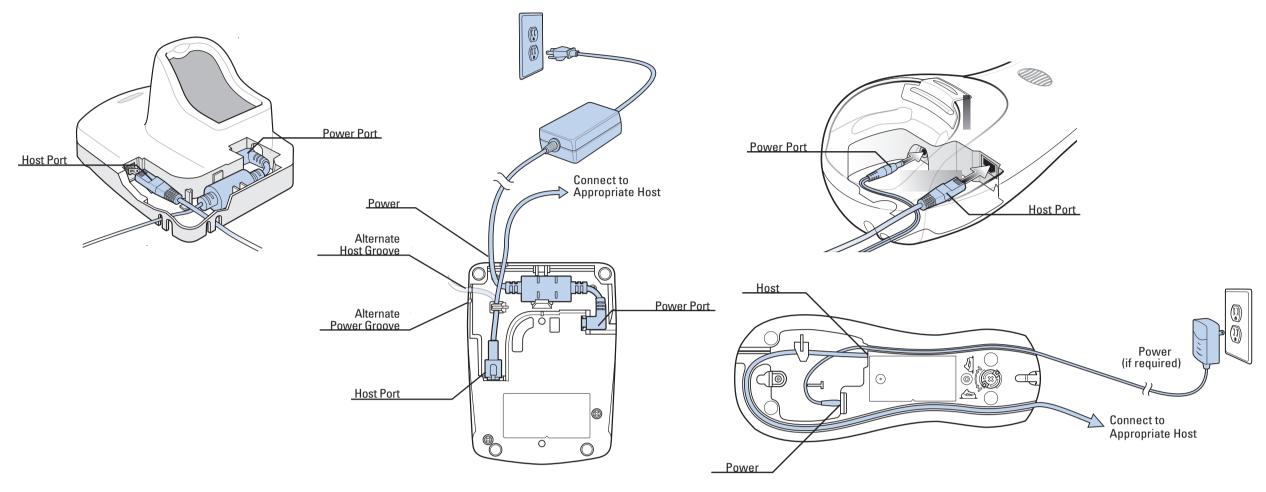




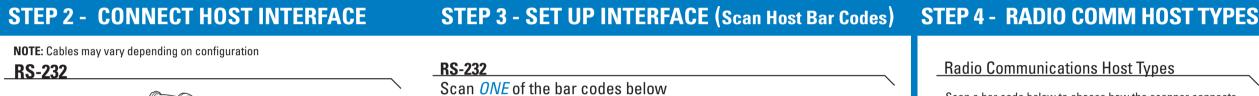


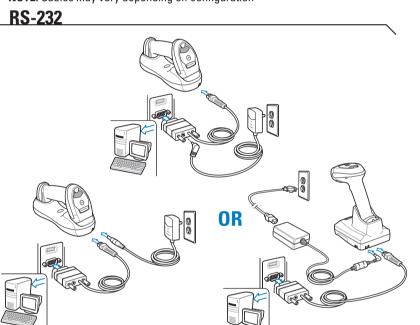
Refer to the LI4278 Product Reference Guide, or the cradle Quick Reference Guides for detailed information about cradle setup. When charging, use the cradle power supply for faster charge time.

### **STEP 1 - CRADLE CABLE CONNECTIONS**



Important: Charge the linear imager scanner for 24 hours before the first full day of use.



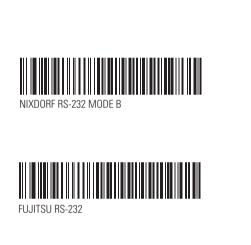


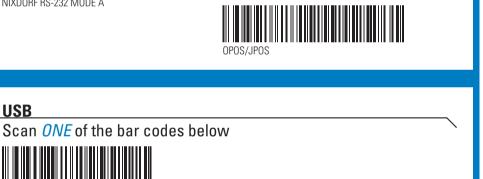
**USB** 





USB





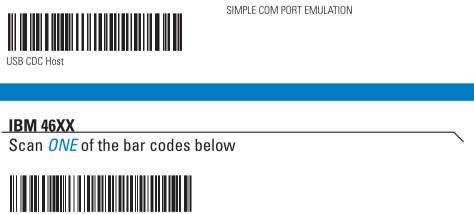


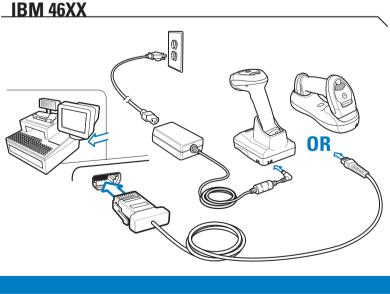


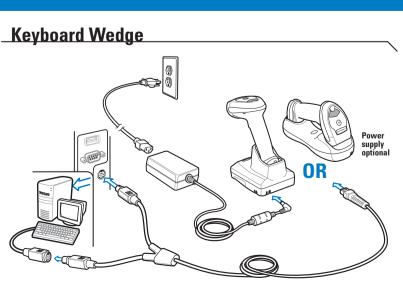














#### **123SCAN**<sup>2</sup> **HELPFUL BAR CODES**





123Scan<sup>2</sup> is an easy-to-use, PC-based software tool that enables rapid and easy customized setup via a bar code or USB cable. For more information, visit: http://www.motorolasolutions.com/123Scan.

CR0078 cradle. Refer to the *Product Reference Guide* for detailed information.

Scan a bar code below to choose how the scanner connects to a remote device. Scan CRADLE HOST if connecting to the



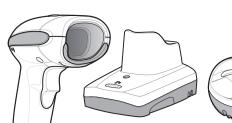






Unpairing/Disconnection

















### **RECOMMENDED USAGE GUIDE - OPTIMUM BODY POSTURE**

012345

#### **Avoid Extreme Wrist Angles**



Standard Use









Hand-Held Scanning

Off

#### **Health and Safety Recommendations**

#### L Ergonomic Recommendations

Caution: In order to avoid or minimize the potential risk of ergonomic iniury 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.
- Reduce or eliminate vibration • Maintain a natural position. • Reduce or eliminate direct pressure.
- · Reduce or eliminate excessive force. Keep objects that are used frequently
- · Provide adjustable workstations. • Provide adequate clearance.

Red

· Provide a suitable working environment within easy reach. Perform tasks at correct heights. · Improve work procedures.

# **BEEPER INDICATIONS**

#### Low/medium/high beep Short medium beep 4 short beeps 4 long low beeps Bar code decoded Transmission error detected; Power up Low battery data is ignored Parameter Menu Scanning Low/high beep High/low/high/low beep High/low beep Incorrect programming sequence Successful Correct programming or "Cancel" bar code scanned parameter setting sequence performed Wireless Operation High/low beep High/low/high/low beep Low/high beep Bluetooth Bluetooth connection Pairing bar code

### **LED INDICATIONS**

Scanner is on and re or no power to scan	,	code is successfully decoded	Transmission error
Hands-Free (P	resentation) Scanni	ng	
Off	Green	Off Momentarily	Red
No power to scanner	Scanner is ready to scan	Bar code is successfully decoded	Transmission error
Charging			
Off  No power to scanner	Green - Slow Continu  Non-critical battery temperature fault	Green - Fast Continuous  Scanner is charging	Green - Solid  Scanner is fully charged
			Local Contact:

Green

### **TROUBLESHOOTING**

### Scanner not working No power to scanner

Scanner not programmed for

correct host interface

Scan appropriate host

parameter bar codes

Low battery start-up

Wait for red LED to turn green

indicating scanner is charging

scanned

Check system power; battery may be discharged; charge scanner in cradle; check battery door is closed; ensure battery end cap is secured

LED indicates low battery start-up

host-connected interface Pair the scanner to

Scanner not paired to

Scanner decoding bar code, but data not transmitting to host

disconnection

Cradle communication error

Scanner is disabled

Ensure that correct host

interface cable is used

Ensure all cable connections are secure

Interface cable is loose

established

Inspect contacts; remove and reinsert scanner in cradle

#### Scanner not programmed for bar code type

Ensure scanner is programmed to read

type of bar code being scanned

Scanner not decoding bar code

Cradle lost connection to host

In this order: disconnect power supply; disconnect

reconnect power supply; reestablish pairing

host cable; wait three seconds; reconnect host cable;

Bar code unreadable

bar code type

Ensure bar code is not defaced;

try scanning test bar code of same

and bar code incorrect Move scanner closer to

Distance between scanner

or further from bar code

Scanned data incorrectly displayed on host

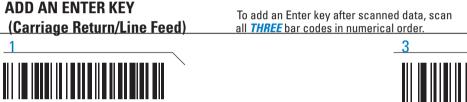
Scanner not programmed for correct host interface Scan appropriate host parameter bar codes

#### LED indicates battery temperature Battery is above or below normal operating temperature

Do not use scanner; move scanner to location with normal operating temperature; refer to the *Product Reference Guide* for more information

# **HELPFUL BAR CODES**

**ADD A TAB KEY** 











# **REGULATORY INFORMATION**

### © 2011-2012 MOTOROLA SOLUTIONS, Inc. All rights reserved.

For the complete Motorola Solutions hardware product warranty statement, go to:

Motorola reserves the right to make changes to any product to improve reliability, function, or design. Motorola 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 products might be used. An implied license exists only for equipment, circuits, and subsystems contained in Motorola products.

#### **Power Supply** Use only Motorola/Symbol approved power supply. The power supply shall be Listed to UL/CSA 60950-1 and

certified to IEC60950-1 and EN60950-1 with SELV outputs. Use of alternative power supply will invalidate any approval given to this device and may be dangerous. Warranty

#### http://www.motorola.com/enterprisemobility/warranty. For Australia Only

This warranty is given by Motorola Solutions Australia Pty Limited (ABN16 004 742 312) of Tally Ho Business Park. 10 Wesley Court. Burwood East, Victoria. Our goods come with guarantees that cannot be excluded under the Australia Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Motorola Solutions Australia's limited warranty above is in addition to any rights and remedies you may have under the Australian Consumer Law, If you have any queries, please call Motorola Solutions Australia at 1800457 439. You may also visit our website: http://www.motorola.com/Business/XA-EN/Pages/Contact\_Us for the most updated warranty terms.

### 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 Center at: http://www.motorolasolutions.com/support. For the latest version of this guide go to: http://www.motorolasolutions.com/support.

# Waste Electrical and Electronic Equipment (WEEE)

English: For EU Customers: All products at the end of their life must be returned to Motorola or recycling. For information on how to return product, please go to: http://www.motorola.com/recycling/weee. http://www.motorola.com/recycling/weee.

Bulgarlat: За клинени от ЕС: След края на полезния им живот всички продукти трябва да се връщат на Motorola за решклиране. За информация относно връщането на продукти, моля отщете на адрес: http://www.motorola.com/recycling/weee.

Čedina: Pro zakazniky z EU: Všechny produkty je nutné po skončení jejich životnosti vrálit společnosti Motorola k recyklaci. Informace o zpisobu vásení produktu najdele na webové stránce: http://www.motorola.com/recycling/weee.

Dansk: Til kunder i EU: Alle produkter skal returneres til Motorola til recirkulering, når de er udtjent. Lass oplysningeme om returnering af produkter pá: http://www.motorola.com/recycling/weee.

Deudsch: Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Motorola zurickgesandt werden. Informationen zur Rücksendung von

zum Recycling an Motorola zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter http://www.motorola.com/recycling/weee.

Ελληγικά Της πελάτες στην Ε.Ε.: Όλα τα προϊόντα, στο τέλος της διάρκειας ζωής τους, πρέπει να επιστρέφονται στην Motorola για ανακυκλωση. Για περισσότερες πληροφορίει σχετικά με την επιστροφή ενός προϊόντος, επισκεφθείτε τη διεύθυνση http://www.motorola.com/recycling/weee στο Διαδίκτυο, **Eesti:** EL klientidele: kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgil Motorola'ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: http://www.motorola.com/recycling/weee. Español: Para clientes en la Unión Europea: todos los productos deberán entregarse a

torola al final de su ciclo de vida pará que sean reciclados. Si desea más información re cómo devolver un producto, visite: http://www.motorola.com/recycling/weee. sobre odmo devolver un producto, visite: http://www.motorola.com/recycling/wee, Françals: Clients de l'Union Européenne: Tous les produits en fin de cycle de vie doivent dire retournés à Motorola pour recyclage, Pour de plus amples informations sur le retour de produits, consultez: http://www.motorola.com/recycling/weee.
Hallance pri client del TUE: tutti produit che sono giunt al termine del rispettivo cicl di vita devono essere restituit a Motorola al fine di consentime il riciclaggio. Per informazioni sulle modaltà di restituzione, visitare i la siguente si to Web: http://www.motorola.com/recycling/weee.

\*Librosu: ES kinetim: wa produita pec to kalposàhas mizza beigam'ri janogada atpakaj Motorola otrreizējaji pārstrādei. Lai legūtu informāciju par produktu nogādāšanu Motorola, lūdzu, skaliet: http://www.motorola.com/recycling/weee.

Lietuvių: ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti grąžinti utilizadol kompaniją, Motorola: Daugiau informacijos, kajp gražinią maini, raster. http://www.motorola.com/recycling/weee. Maggar. Az EU-ban skalstónas. Midne filorement terméket a Motorola valislaitnoż kell eljutatni újrahasznositás céljából. A termék visszajuttatásának módjával kapcsolatos

опримент уранных пувна медительно кондерству и дента и междуна на дента и ден aar Motorola te worden teruggezonden voor recycling. Raadpleeg http://www.motorola.com/recycling/weee voor meer informatie over het erugzenden van producten.

terugzenen van producten. Produkt vijword ze eksploatacji należy zwrócić do firmy Motorola w celu ich utykzacji. Informacje na temat zwrotu produktów znajdują się na stronie internetwoji http://www.nutorola.com/re-cycling/weez.

Portugute: Para clientes da UE: todos os produtos no film de vida devem ser devolvidos à Motorola para recidagem. Para otter informacytes sothe como devolver o produto, visite: http://www.nutorola.com/re-cycling/weez.

http://www.initiotrial.com/recyclimg/weee.

Romainesc Pentru clientiji din UE: Toate produsele, la sfârșitul duratei lor de funcționare, trebuie returnate la Motorda pentru reciclare, Pentru informații despre returnarea produsului, accesați: http://www.motorola.com/recycling/weee.

Sovendina: Proz zákazníkov z knjil a Užstky výroby musia byť po uplynutí doby ich životnosti vrátené spožeňosti Motorda na resykláciu. Blžšíe informácie o vrátení výrobkov nájdele na. http://www.motorda.com/recyc/ling/wee.

Slovenatt. Za kupce v EU vsi úzdelk se morajo po poteku življenjske dobe vrniti podjetju Motorda za reaktáci. Za informacije o voditu izdelka oblščite.

http://www.motorda.com/recyc/ling/weee. Suomi: Asiakkaat Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväks

Motorola-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on osoitteessa http://www.motorola.com/recycling/weee. Svenska: För kunder inom EU: Alla produkter som uppnåt sin livslångd måste returneras till Motorola för återvinning, Information om hur du returnerar produkten finns på http://www.motorola.com/recycling/weee. Türkçe: AB Müşterileri için: Kullanım süresi dolan tüm ürünler ger dönüştürme için Motorola'ya iade edilmelidir. Ürünlerin nasıl iade edileceği hakkında bilgi için lütfen şu adresi ziyaret edin

#### **TURKISH WEEE Statement of Compliance** EEE Yönetmeliğine Uygundu

# Health and Safety Recommendation

### **!** 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.

This device is approved under the Symbol Technologies, Inc. brand: Symbol Technologies, Inc. is a

wholly owned subsidiary of Motorola Solutions, Inc. (collectively "Motorola"). This guide applies to Model Number: LI4278. All Motorola/Symbol 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://www.motorolasolutions.com/support Any changes or modifications to Motorola/Symbol Technologies equipment, not expressly approved by

Motorola/Symbol Technologies, could void the user's authority to operate the equipment

#### MOTOROLA Motorola Solutions, Inc. One Motorola Plaza Holtsville, New York 11742-1300, USA

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### 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 the radio(s) is/are approved

http://www.motorola.com/doc.

for use in the following countries: United States, Canada, Japan, China, S. Korea, Australia, and Europe 1,2. Please refer to the Declaration of Conformity (DoC) for details of other country markings. This is available at

Note1: For 2.4GHz or 5GHz Products: Europe includes, Austria, Belgium, Bulgaria, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia,

Spain, Sweden, Switzerland and the United Kingdom. Note 2: The use of RFID Devices have varying restrictions of use; please refer to the Motorola/Symbol Declaration of Conformity (DoC) for details.

lpha Operation of the device without regulatory approval is illegal.

Frequency of Operation – FCC and IC 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. Warnings for Use of Wireless Devices

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

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

### **Pacemakers**

Pacemaker manufacturers recommended that a minimum of 15cm (6 inches) be maintained between a handheld wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with independent research and recommendations by

### Persons with Pacemakers:

Wireless Technology Research

#### • Should not carry the device in a breast pocket. • Should use the ear furthest from the pacemaker to minimise the potential for inter-ference.

• Should ALWAYS keep the device more than 15cm (6 inches) from their pacemaker when turned ON.

### • If you have any reason to suspect that interference is taking place, turn OFF your device.

Please consult your physician or the manufacturer of the medical device, to determine if the operation of your wireless product may interfere with the medical device.

# RF Exposure Guidelines

Safety Information Reducing RF Exposure – Use Properly Only operate the device in accordance with the instructions supplied.

The device complies with internationally recognized standards covering human exposure to electromagnetic fields from radio devices. For information on "International" human exposure to electromagnetic fields refer to the Motorola/Symbol Declaration of Conformity (DoC) at http://www.motorola.com/doc.

### **LED Devices**

Complies with IEC/EN60825-1:2001 & EN 62471: 2008 and IEC62471: 2006 Class 1 LED output. LED Output - this device contains two LEDs for illumination and aiming.

#### Aim/Illumination Optical Output: 0.87mW Pulse Duration: Continuous

Emitted Wavelength: 590-650nm Viewing the LED output with certain optical instruments (for example, eye loupes, magnifiers and microscopes) may pose an eye hazard.

#### Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous LED light exposure. Statement of Compliance

Motorola/Symbol hereby, declares that this device is in compliance with the essential requirements and other relevant provisions of Directives 1999/5/EC, 2004/108/EC and 2006/95/EC. Declaration of Conformities may be obtained from http://www.motorola.com/doc.

#### Taiwan - Recycling 级

Batteries

廢電池請回收 EPA (Environmental Protection Administration) requires dry battery producing or importing firms in

accordance with Article 15 of the Waste Disposal Act are required to indicate the recycling marks on the batteries used in sales, giveaway or promotion. Contact a qualified Taiwanese recycler for proper battery disposal. Battery Information Motorola Solutions 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 batteries is 30 days, regardless if the battery was purchased separately or included as part of the mobile computer or bar ....



### **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 mobile 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 Global Customer Support Center.

 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 • 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 re-chargeable batteries. • Do not dispose of batteries in fire.

### • Seek medical advice immediately if a battery has been swallowed

Radio Frequency Interference Requirements -FCC Tested to comply with FCC Standar with FCC Standards

FOR HOME OR OFFICE USE

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

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

### Radio Frequency Interference Requirements - Canada

Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

**Radio Transmitters** This device complies with RSS 210 of Industry Canada. 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. Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils

radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable. Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada

#### Marking and European Economic Area (EEA) Bluetooth® Wireless Technology for use through the EEA has the following restrictions:

#### • Maximum radiated transmit power of 100mW EIRP in the frequency range 2.400 -2.4835 GHz • France, outside usage is restricted to 10mW EIRP

· Italy requires a user license for outside usage Other Countries

Declarações Regulamentares para LI4278

#### NOTA: A marca de certificação se aplica ao Equip, de Radiação Restrita, modelo Symbol LI4278. Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência

prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário." Para majores consultas sobre ANATEL consulte o site: www.anatel.gov.br. Mexico Restrict Frequency Range to: 2.450 - 2.4835 GHz.

For a radio equipment using 2400~2483.5MHz or 5725~5825MHz, the following two expressions should be displayed: 당해 무선설비는 운용 중 전파혼신 가능성이 있음

당해 무선설비 는전파혼 신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없습니다. Ukraine

This equipment corresponds to requirements of the Technical Regulation No. 1057, 2008 on restrictions as to the use of some dangerous substances in electric and electronic devices. Taiwar

低功率電波輻射性電機管理辦法 第十二條 經型式認證合格之低功率射頻電機, 非經許可, 公司、

商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時, 應立即停用,並改善至無干擾時方得繼續使用。 前項合法通信,指依電信規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。 Japan (VCCI) - Voluntary Control Council for Interference

この装置は、情報処理装置等電波障害自主規制協議会(VCCI)の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。 取扱説明書に従って正しい取り扱いをして下さい。 Korea Warning Statement for Class B ITE

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