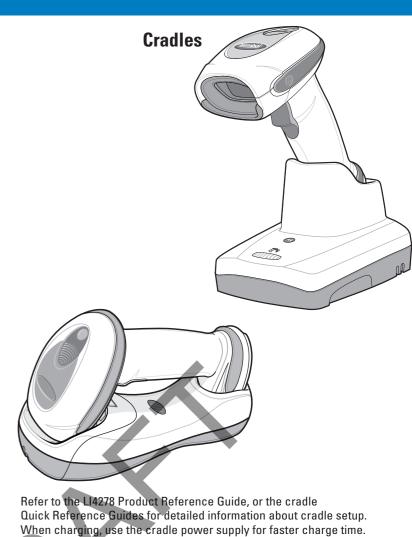
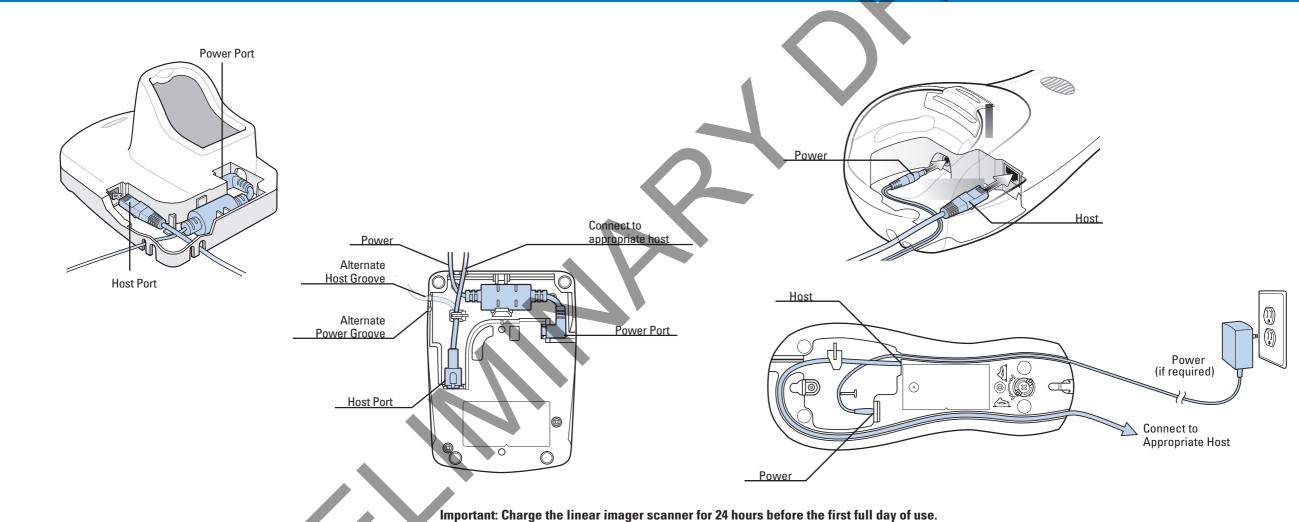
http://www.motorola.com/li4278 See Product Reference Guide for detailed information POST IN WORK AREA

LI4278 LINEAR IMAGER
QUICK START GUIDE



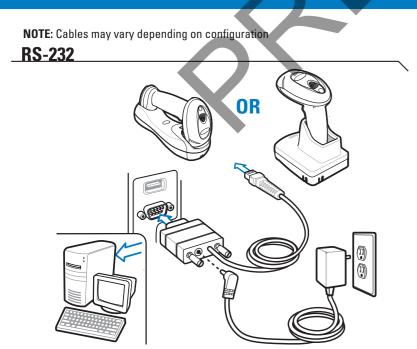


STEP 1 - CRADLE CABLE CONNECTION





STEP 3 - SET UP INTERFACE (Scan Host Bar Codes)







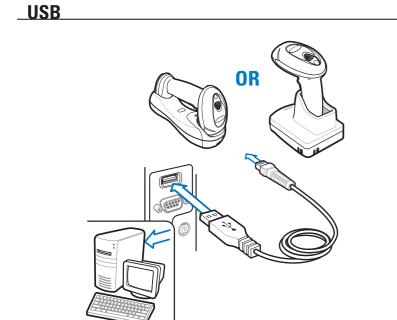










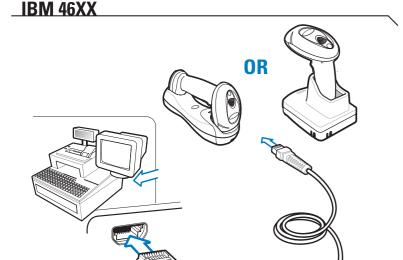


Scan ONE of the bar codes below







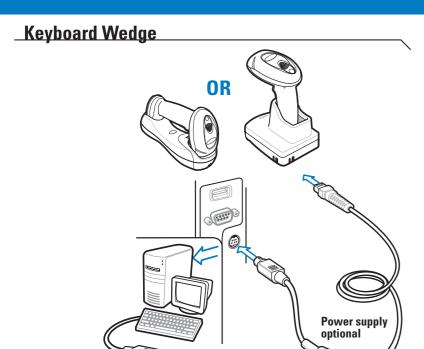


<u>IBM 46XX</u> Scan ONE of the bar codes below









Keyboard Wedge Scan bar code below



HELPFUL BAR CODES

SET DEFAULTS



RETURN TO FACTORY DEFAULTS

BATTERY OFF



ADD AN ENTER KEY (Carriage Return/Line Feed)

To add an Enter key after scanned data, scan all **THREE** bar codes in numerical order.



<DATA><SUFFIX 1>



ADD A TAB KEY

To add a Tab key after scanned data, scan all THREE **Enter** key bar codes above in numerical order then scan all FIVE bar codes below in numerical order.















123SCAN²

123Scan2 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.motorola.com/123Scan2.

STEP 4 - SCAN RADIO COMMUNICATIONS HOST TYPES

Radio Communications Host Types

Scan a bar code below to choose how the scanner connects to a remote device. Scan CRADLE HOST if connecting to the CR0078 cradle. Refer to the Product Reference Guide for detailed information.





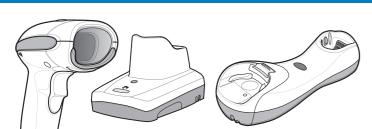




Unpairing/Disconnection















Distance between scanner

Move scanner closer to

or further from bar code

and har code incorrect

BEEPER INDICATIONS

Short medium beep	4 long low beeps	4 short beeps
Bar code decoded	Transmission error de data is ignored	tected; Low battery
canning		
High/low beep	L	.ow/high beep
		Incorrect programming sequenc or "Cancel" bar code scanned
n		
High/low beep		Low/high beep
Bluetooth disconnection		Bluetooth connection established
	Bar code decoded Geanning High/low beep Correct program sequence perform High/low beep Bluetooth	Bar code decoded Transmission error de data is ignored Canning High/low beep Correct programming sequence performed High/low beep Bluetooth

LED INDICATIONS

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

Ensure bar code is not defaced;

bar code type

try scanning test bar code of same

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

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

Scanner decoding bar code, but data not transmitting to host

Pair the scanner to the cradle

Scanner not paired to

host-connected interface

LED indicates low battery start-up

Wait for red LED to turn green indicating scanner is charging

Ensure that correct host interface cable is used

Scanner is disabled

Interface cable is loose

are secure

Ensure all cable connections

Cradle communication error

Inspect contacts; remove and reinsert

scanner in cradle

Scanner not decoding bar code Scanner not programmed for bar code type

type of bar code beingscanned

Ensure scanner is programmed to read

Cradle lost connection to host In this order: disconnect power supply; disconnect host cable; wait three seconds; reconnect host cable; reconnect power supply; reestablish pairing

LED indicates battery temperature

Battery is above or below normal operating temperature

not use scanner; move scanner to location with normal operating temperature;

r to the *Product Reference Guide* for more information

RECOMMENDED USAGE GUIDE - OPTIMUM BODY POSTURE

Avoid Extreme Wrist Angles









 $available\ at\ the\ following\ website: http://supportcentral.motorola.com.$

Complies with IEC/EN60825-1:2001 & EN 62471: 2006 and IEC62471: 2008

LED Output: this device contains two LEDs for illumination and aiming.

Bluetooth® Wireless Technology

https://www.bluetooth.org/tpg/listings.cfm.

Wireless Device Country Approvals



Avoid Reaching

Health and Safety Recommendations

Scanned data incorrectly displayed on host

Scanner not programmed for correct host interface

Scan appropriate host parameter bar codes

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 vibration. · 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.
- Provide adequate clearance Provide a suitable working environment. Improve work procedures.

· Reduce or eliminate direct pressure.

Provide adjustable workstations

REGULATORY INFORMATION

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

Any changes or modifications to Motorola/Symbol Technologies equipment, not expressly approved by

This is an approved Bluetooth® product. For more information or to view End Product Listing, please visit

Regulatory markings, subject to certification, are applied to the device signifying the radio(s) is/are approved

for use in the following countries: United States, Canada, Japan, China, S. Korea, Australia, and Europe 1,2.

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

© 2011 MOTOROLA, Inc. All rights reserved,

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.

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

http://www.motorola.com/enterprisemobility/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 Support at:

For the latest version of this guide go to: http://supportcentral.motorola.com

$oxtile{\mathbb{X}}$ Waste Electrical and Electronic Equipment (WEEE) English: For EU Customers: All products at the end of their life must be returned to Motorola

rding. For information on how to return product, please go to www.motorola.com/recycling/weee. http://www.motorola.com/recycling/weee.

Bulgarisht 3a kmeent on EC: Cheg upaa на полезния ми живот всички продули трябва да се връщат на Motorola за рециклираве. За информация относно връщането на продукти, моля отидете на аврес: http://www.motorola.com/recycling/weee.

Čestine: Pro zákazniky z EU: Visechny produkt y enufré po skončení ejilot životností vrátit společností Motorola k recyláci, Inémana ce zpúsboh vrátení produktu najdele na webové stránce: http://www.motorola.com/recycling/weee.

Dansict Til kunder (EU: Alle produkter skal refumeres til Motorola til recirkulering, nár de er utilitient. Les cyklenjonene me tellemierná par fortifetre fre

udtjent. Læs oplysningerne om returnering af produkter på: http://www.motorola.com/recycling/weee. Deutsch: Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Motorola zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter http://www.motorola.com/recycling/weee. Troubles intend to de unit to 1970 your projects, or this project to 1970 your projects of the eesmärgil Motorola'ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: http://www.motorola.com/recycling/weee.

Expando: Para clientes en la Unión Europea: todos los productos deberán entregarse a Motorola al final de su cido de vida para que sean recidados. Si desea más información sobre cómo devolver un producto, visite: http://www.motorola.com/recycling/weee. Français: Clients de l'Union Européenne: Tous les produits en fin de cycle de vie doivent être etaumés à Motorois pour recyclège, pour de plus amplés informations sur le retour de produits, consultez: http://www.motoroia.com/recycling/weee.

Bailance: per cliente d'article: tutti i prodotti che sono giunt al termine del rispettivo clor di vita devono essere restituti à Motoroia al fine di consentime il ricidaggio. Per informazioni vita dévoino essere restituit à Motorda al fine di consentine il ricidaggio, Per informazio sulle modalità di restituzione, visiteri i sequente sito Web: http://www.motorola.com/recycling/weee.

**LâMweau: E's Mentièm: vss produkt pec lo kalposañas miuža beigam ir janogada alpakel Motorola otrezigia pastradiel. Lei lagitui informaĉini par produktu nogadašanu Motorola, lūdzu, skaliet: http://www.motorola.com/recycling/weee.

TURKISH WEEE Statement of Compliance

Health and Safety Recommendation

/!\ Ergonomic Recommendations

• Keep objects that are used frequently within easy reach

to prevent employee injury.

• Maintain a natural position

• Reduce or eliminate repetitive motion

• Reduce or eliminate excessive force

• Reduce or eliminate direct pressure

· Provide a suitable working environment

• Perform tasks at correct heights

· Provide adjustable workstations Provide adequate clearance

• Improve work procedures

Scanner Labeling

• Reduce or eliminate vibration

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

LED Devices

Lleturky: ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti grąžinti utilizuoti į kompaniją "Motorola". Daugiau informacijos, kaip grąžinti gaminį, rasite: http://www.motorola.com/recycling/weee. Magyar: Az EU-ban vásárlóknak: Minden tönkrement terméket a Motorola vállalathoz kell eljuttatni újrahasznosítás céljából. A termék visszajuttatásának módjával kapcsolatos

tudnivalókért látogasson el a http://www.motorola.com/recycling/weee weboldalra

Malti: Għal klijenti fl·UE: il-prodotti kollha li jkunu waslu fl-aħħar tal-ħajja ta' l-użu tagħhom,

iridu jigu mitornati ghand Motorola ghar-riciklağğ. Ghal aktar taghrif dwar kif ghandek tirritorna

l-prodott, jekk jogňábok žur: http://www.motorola.com/recycling/weee. Nederlands: Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Motorola te worden teruggezonden voor recycling. Raadpleeg http://www.motorola.com/recycling/weee voor meer informatie over he terugzenden van producten.

terugzenden van producten.
Podaté Klenci z obszaru Unii Europejskiej: Produkty wycofane z eksploatacji należy zwrócić ofo firmy Motorola w celu ich utylizacji, Informacje na temat zwrotu produktów znajdują się na stronie internetowej http://www.motorola.com/recycling/weee.
Portugute: Para clientes da UE: lodos os produtos no film de vida devem ser devolvidos a Motorola para recipiane. Para obter informacjes sobre como devolvero produto, visite: http://www.motorola.com/recycling/weee.

Românesc Pentru dienţii din UE: Toale produsele, la sfârșitul duratei lor de funcţionare, trebuie returnate la Motorola pentru recidare. Pentru informaţii despre returnarea produ accesaţi: http://www.motorola.com/recycling/weee.

accesai: http://www.motorola.com/recycling/wee.

Stwenture Pre-Askaniziou x knjiel i Valetyl výnoky maja byť po uphrudí doby ich
životnosti vrátené spoločnosti Motorola na recykláciu. Bilžžie informácie o vrátení výrobkov
nájdele na: http://www.motorola.com/recycling/weec.

Stwentuře Za upove EU: vsi úzdelá se monajo po poteku življenjské dobe vrniti podjetju
Motorola za reciklažio. Za informacije o vračilu úzdeka obšíčile:
http://www.motorola.com/recycling/weec.

Suomit Asiakkaat Euroopan unionin alucelia: Kakik liuotete on palautettava kierářetláváksi
Motorola-yřinčiu, knu butetla e iradi skyřetal, Listářetoja kutotene palautamisesta on
csotllessa http://www.motorola.com/recycling/weec.

Svenska: För kunder inom EU: Alla produkter som uppnått sin livslängd måste returneras ill Motorola för återvinning. Information om hur du returnerar produkten finns på till Motorola för återvinning, Information om hur du return http://www.motorola.com/recycling/weee.

Türkçe: AB Müşterileri için: Kullanım süresi dolan tüm ürünler geri dönüştürme için Motorola'ya iade edilmelidir. Ürünlerin nasıl iade edileceği hakkında bilgi için lütleri şu adresi ziyaret edin: http://www.motorola.com/recycle/weee.

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

Operation of the device without regulatory approval is illegal. Frequency of Operation – FCC and IC

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

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 healthcare facilitiles. These requests are designed to prevent possible interference with sensitive medical equipement

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 Wireless Technology Research

Persons with Pacemakers:

• Should ALWAYS keep the device more than 15cm (6 inches) from their pacemaker when turned ON. • Should not carry the device in a breast pocket.

• Should use the ear furthest from the pacemaker to minimise the potential for inter-ference.

• 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

/! RF Exposure Guidelines

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

of your wirelessproduct may interfere with the medical device.

fields from radio devices. For information on "International" human exposure to electromagnic 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: 2006 and IEC62471: 2008.

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 poseand eye hazard. Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result inhazardous 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

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 an alternative power supply will invalidate any approval given to this device and may be dangerous. **Batteries**

Taiwan - Recycling

经 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

Motorola/Symbol 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

level shouldbe 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 Symbol batteries is 30 days. regardless if the battery was purchased separately or included as part of the mobile computer or bar code scanner. For more information on Symbol 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 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 Enterprise Mobility 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

• 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 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

Tested to comply with FCC Standards FOR HOME OR OFFICE USE

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

Radio Frequency Interference Requirements - Canada

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.

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 technical specifications were met.

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 DS3578.

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 maiores consultas sobre ANATEL consulte o site: www.anatel.gov.br. Restrict Frequency Range to: 2.450 - 2.4835 GHz.

S. Korea 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.

Taiwan 臺灣

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。

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。

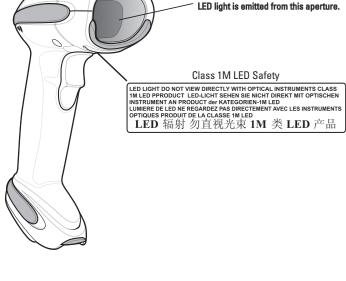
前項合法通信,指依電信規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾

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 사용자안내문

B급 기기	이 기기는 가정용(B급)으로 전자파적합등록을
(가정용 방송통신기기)	한 기기로서 주로 가정에서 사용하는 것을 목적
	으로 하며, 모든 지역에서 사용할 수 있습니다.





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Battery Information

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