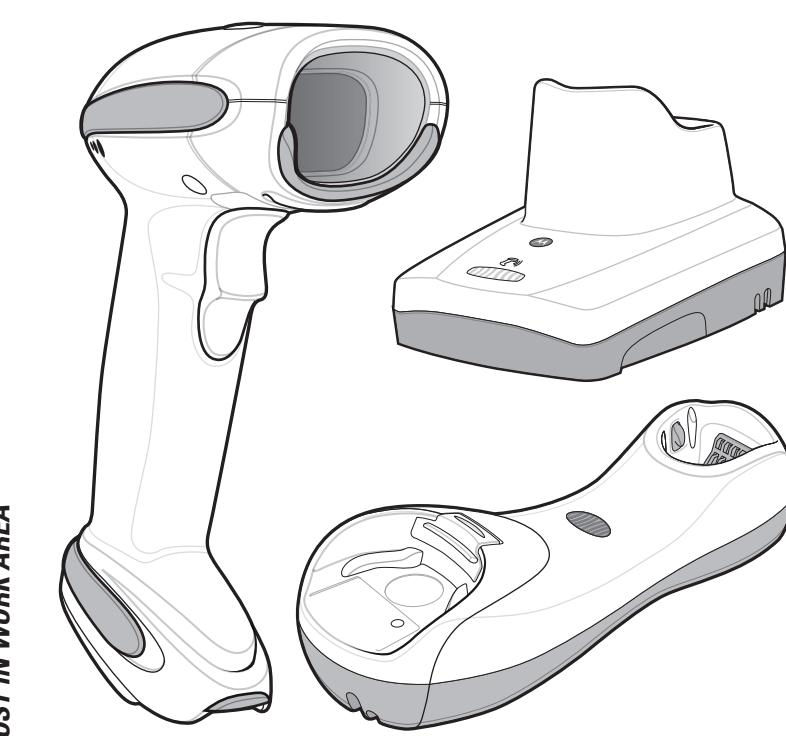


LI4278 LINEAR IMAGER

QUICK START GUIDE

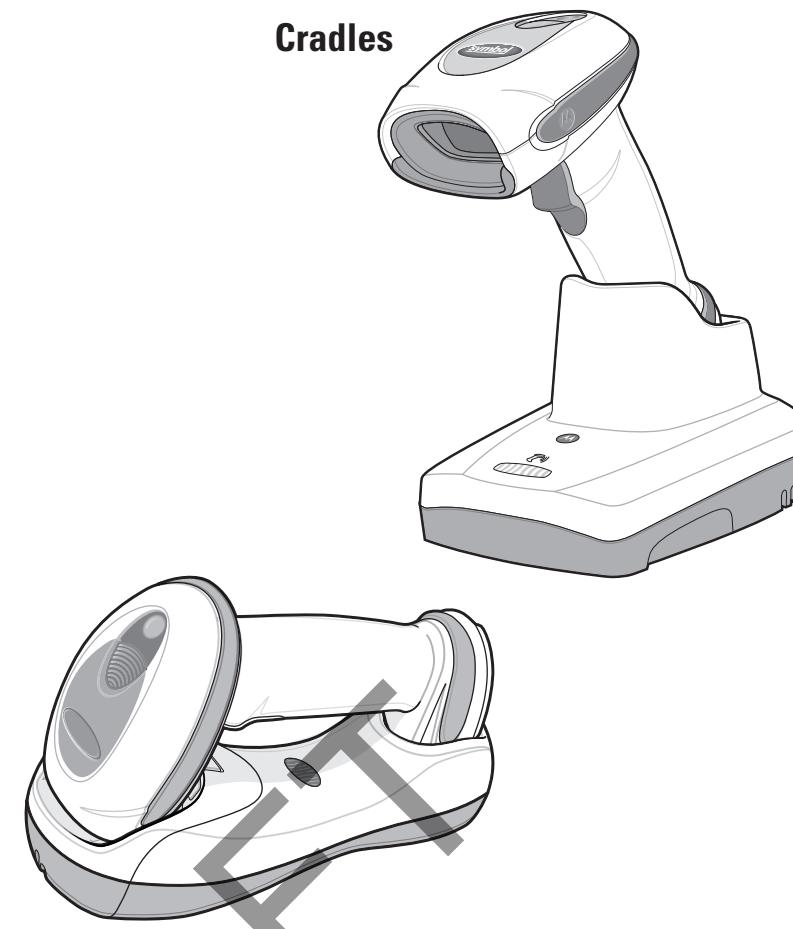
<http://www.motorola.com/li4278> See Product Reference Guide for detailed information



POST IN WORK AREA

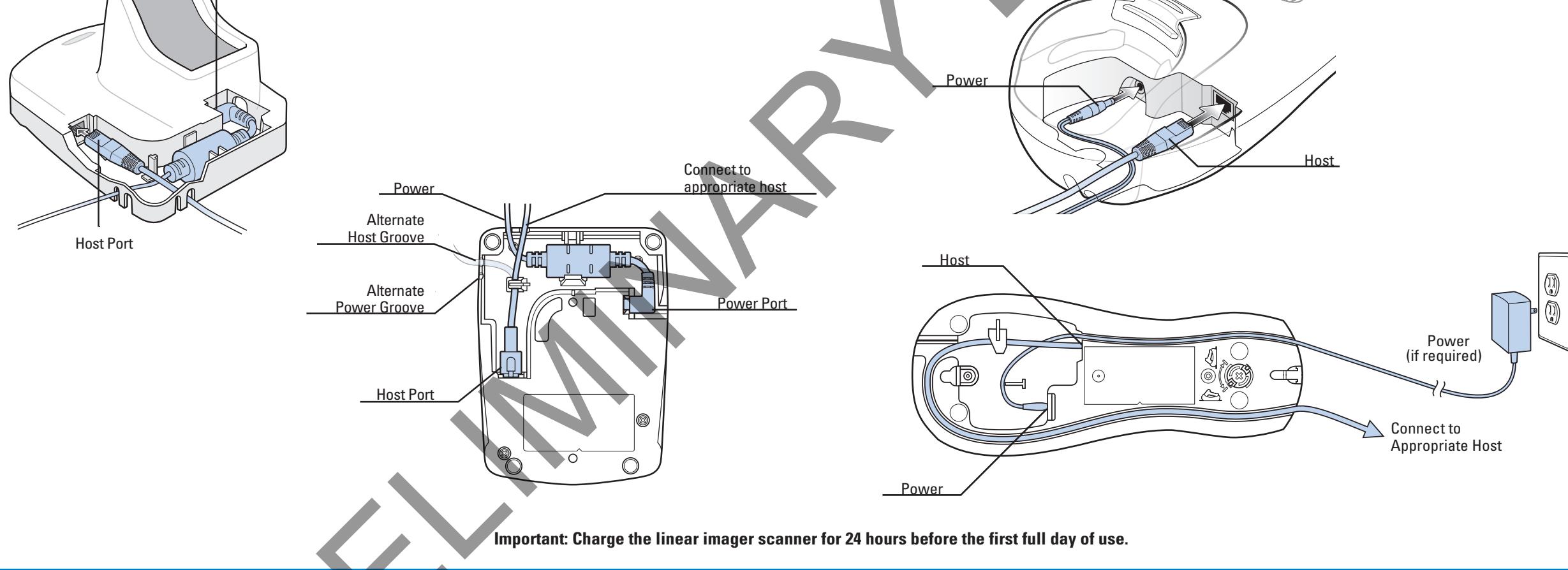


Cradles



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 CONNECTION

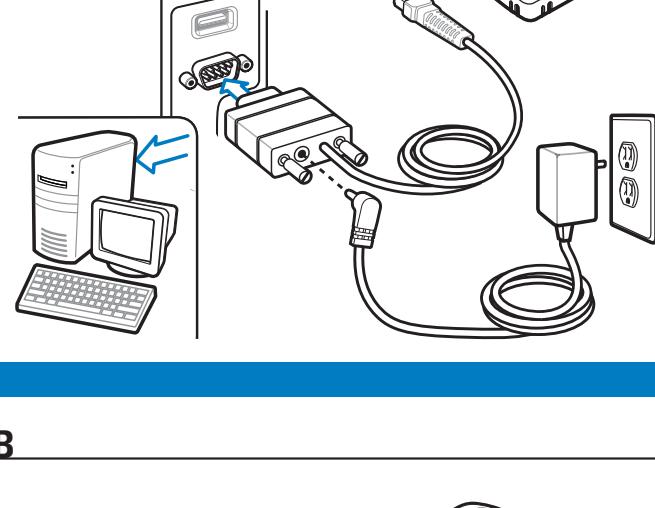


Important: Charge the linear imager scanner for 24 hours before the first full day of use.

STEP 2 - CONNECT HOST INTERFACE

NOTE: Cables may vary depending on configuration

RS-232



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

RS-232

Scan **ONE** of the bar codes below



STANDARD RS-232



NIXDORF RS-232 MODE B



ICL RS-232



FUJITSU RS-232

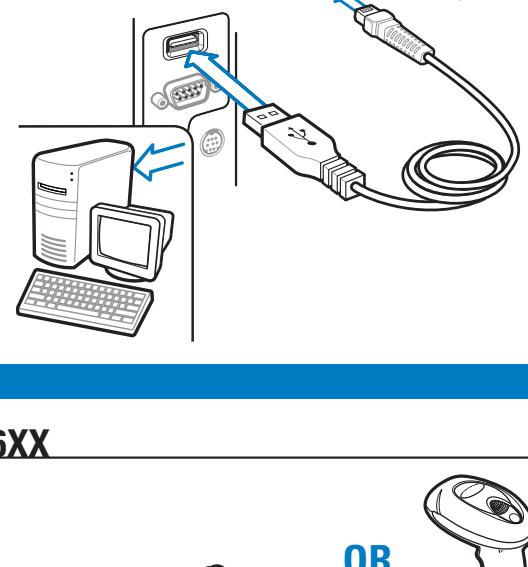


NIXDORF RS-232 MODE A



OPOS/JPOS

USB



Scan **ONE** of the bar codes below



HID KEYBOARD EMULATION

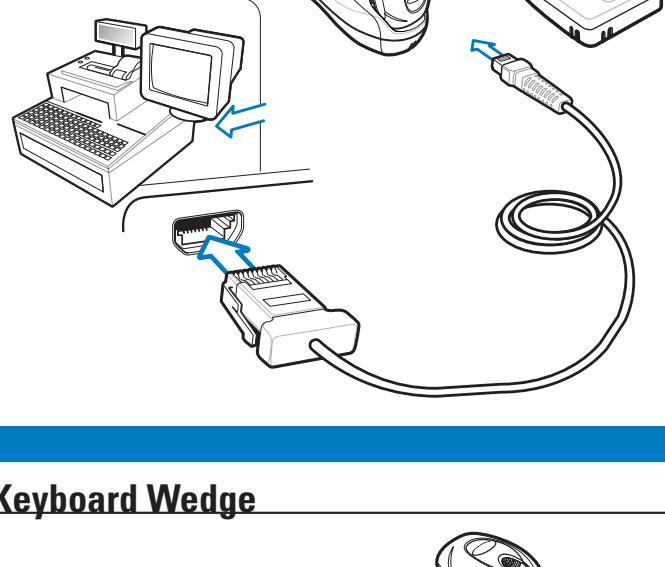


IBM HAND-Held USB



(For use with hands-free base only)

IBM 46XX



IBM 46XX

Scan **ONE** of the bar codes below



PORT 5B

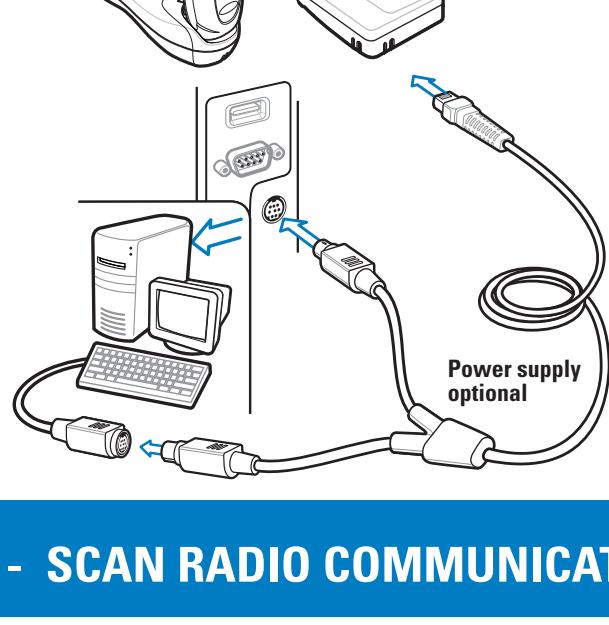


PORT 9B



PORT 17

Keyboard Wedge



Keyboard Wedge

Scan bar code below



IBM PC/AT and IBM PC COMPATIBLE

SET DEFAULTS



RETURN TO FACTORY DEFAULTS

BATTERY OFF



BATTERY OFF FOR LONG TERM STORAGE/SHIPPING

ADD AN ENTER KEY (Carriage Return/Line Feed)

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

1



SCAN OPTIONS

2



3



ENTER

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.

1



SCAN SUFFIX

2



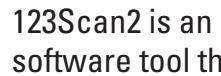
3



4



5



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.



HID PROFILE (SLAVE)



SERIAL PORT PROFILE (SLAVE)



SERIAL PORT PROFILE (MASTER)

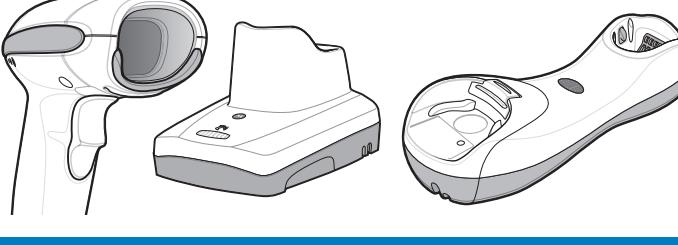
Unpairing/Disconnection

UNPAIR/DISCONNECT



LI4278 LINEAR IMAGER

SCANNING



BEEPER INDICATIONS

Standard Use

Low/medium/high beep	Short medium beep	4 long low beeps	4 short beeps
Power up	Bar code decoded	Transmission error detected; data is ignored	Low battery

Parameter Menu Scanning

High/low/high/low beep	High/low beep	Low/high beep
Successful parameter setting	Correct programming sequence performed	Incorrect programming sequence or "Cancel" bar code scanned

Wireless Operation

High/low/high/low beep	High/low beep	Low/high beep
Pairing bar code scanned	Bluetooth disconnection	Bluetooth connection established

Aiming



012345

LED INDICATIONS

Hand-Held Scanning

Off	Green	Red
Scanner is on and ready to scan, or no power to scanner	Bar code is successfully decoded	Transmission error

Hands-Free (Presentation) Scanning

Off	Green	Off Momentarily	Red
No power to scanner	Scanner is ready to scan	Bar code is successfully decoded	Transmission error

Charging

Off	Green - Slow Continuous	Green - Fast Continuous	Green - Solid
No power to scanner	Non-critical battery temperature fault	Scanner is charging	Scanner is fully charged

Local Contact:

TROUBLESHOOTING

Scanner not working

No power to scanner	Scanner is disabled
Check system power; battery may be discharged; charge scanner in cradle; check battery door is closed; ensure battery end cap is secured	Ensure that correct host interface cable is used

Scanner decoding bar code, but data not transmitting to host

Scanner not programmed for correct host interface	Scanner not paired to host-connected interface	Interface cable is loose
Scan appropriate host parameter bar codes	Pair the scanner to the cradle	Ensure all cable connections are secure

LED indicates low battery start-up

Low battery start-up	Cradle communication error
Wait for red LED to turn green indicating scanner is charging	Inspect contacts; remove and reinsert scanner in cradle

Scanner not decoding bar code

Scanner not programmed for bar code type	Bar code unreadable
Ensure scanner is programmed to read type of bar code being scanned	Ensure bar code is not defaced; try scanning test bar code of same bar code type

Scanned data incorrectly displayed on host

Scanner not programmed for correct host interface	Distance between scanner and bar code incorrect
Scan appropriate host parameter bar codes	Move scanner closer to or further from bar code

LED indicates battery temperature

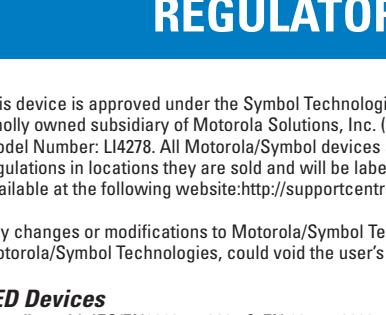
Battery is above or below normal operating temperature
Do not use scanner; move scanner to location with normal operating temperature; refer to the Product Reference Guide for more information

RECOMMENDED USAGE GUIDE - OPTIMUM BODY POSTURE

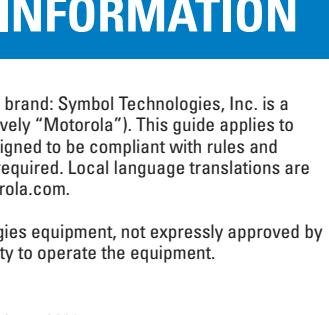
Avoid Extreme Wrist Angles



Avoid Bending



Avoid Reaching



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 posture.
- Reduce or eliminate excessive force.
- Keep objects that are used frequently within easy reach.
- Perform tasks at correct heights.
- Reduce or eliminate vibration.
- Provide adjustable workstations.
- Provide adequate clearance.
- Provide a suitable working environment.
- Improve work procedures.

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 where they are sold and will be labeled as required. Local language translations are available at the following website:<http://supportcentral.motorola.com>.

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.

LED Devices

Complies with IEC60825-1:2001 & EN 62471: 2006 and IEC62471: 2008

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

Bluetooth® Wireless Technology

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

Wireless Device Country Approvals

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.

Please refer to the Declaration of Conformity (DoC) for details of other country markings. This is available at <http://www.motorola.com/doc>.

Note: 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

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 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.

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

Other Medical Devices

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.

International

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: 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 pose 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>.

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

Batteries

Taiwan - Recycling



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/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 needing replacement. Many factors affect the actual life cycle of a battery pack, such as heat, cold, harsh environmental conditions and severe drops. 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 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://mysymboldirect.com/batbasics1.htm>

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