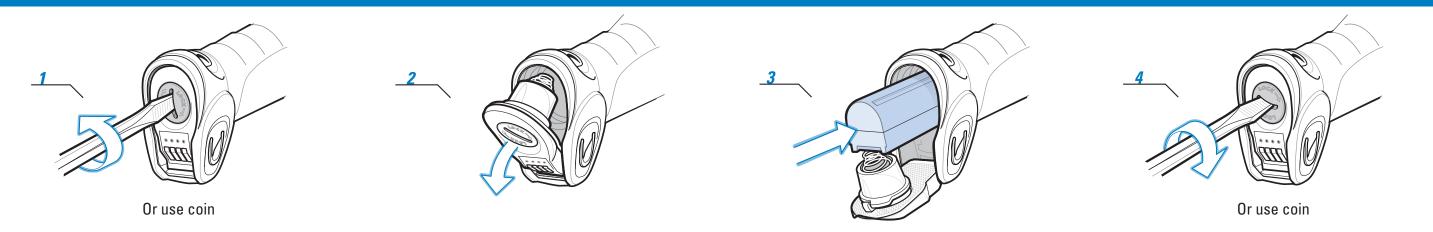


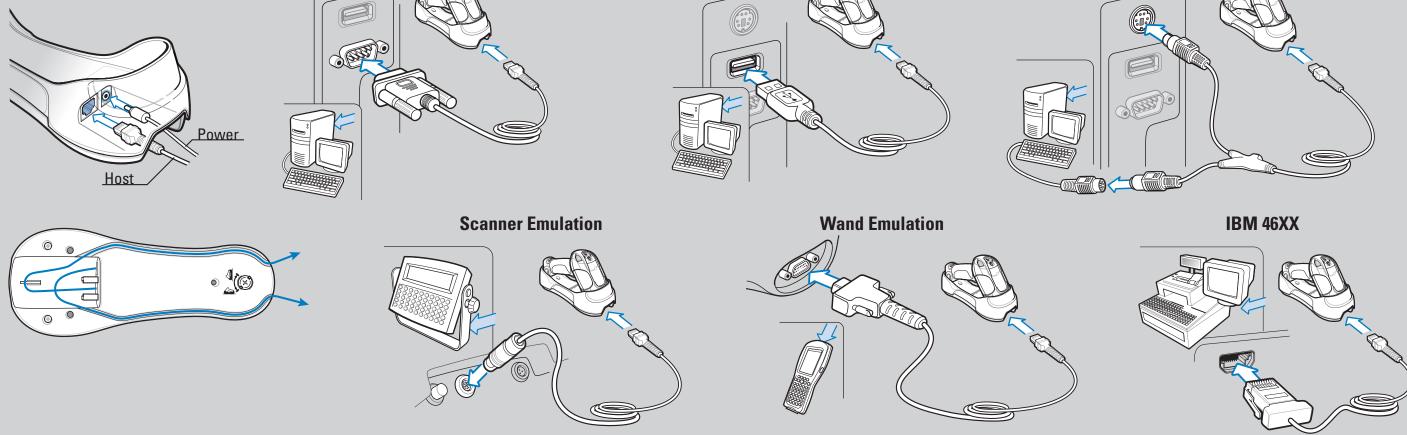
BATTERY INSERTION/REMOVAL



HOST INTERFACES

NOTE: Cables may vary depending on configuration

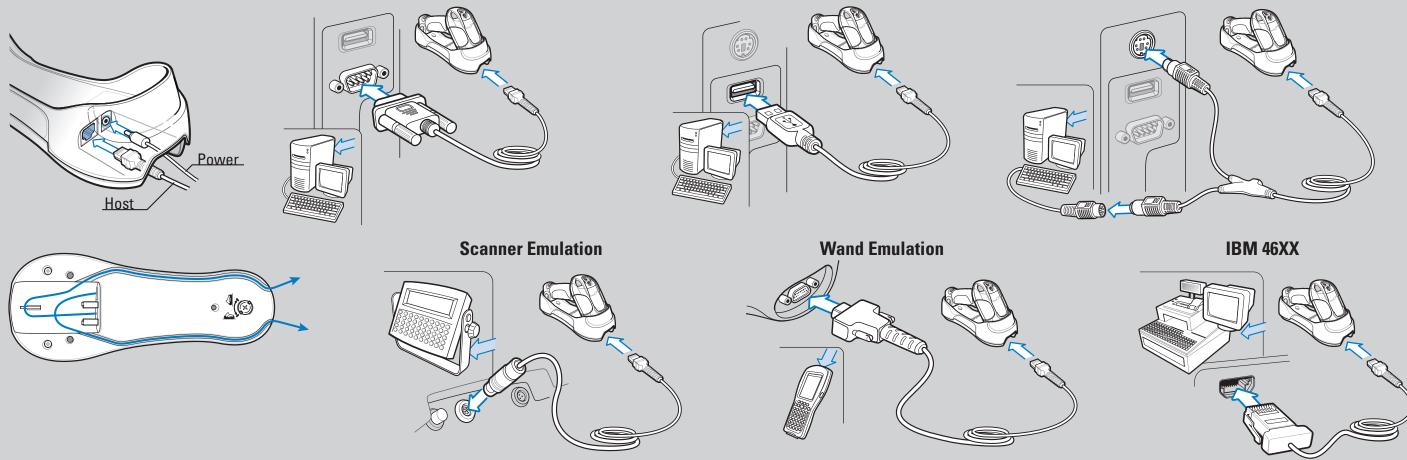
Cable Connection at Cradle



RS-232

USB

Keyboard Wedge



TROUBLESHOOTING

Please refer to the DS3478 Product Reference Guide Troubleshooting section for further information.

Scanner not working

Check battery

No power to scanner

End cap not secured correctly Turn end cap to secure

Scanner decoding bar code, but data not transmitted to host

Scanner not paired to host-connected cradle

Cradle not programmed for correct host interface

Pair the scanner to the cradle (using the PAIR bar code on the cradle)

Check scanner host parameters or edit options

Check for loose cable connections

Interface cable is loose

If data is still not transmitting to host, it may be necessary to recycle power on the cradle

Scanner not decoding bar code

Scanner not programmed for bar code type

> Ensure scanner is programmed to read type of bar code being scanned

Bar code unreadable Ensure bar code is not defaced; try scanning test bar code of same

bar code type

and bar code incorrect

Distance between scanner

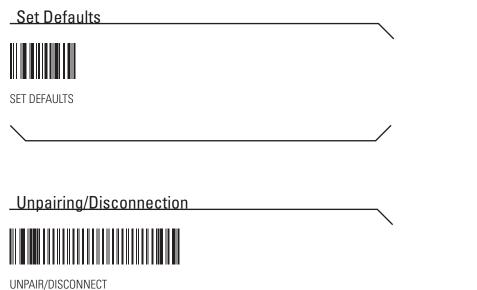
Move scanner closer to or further from bar code

Scanner data incorrectly displayed on host

Paired cradle host communication parameters do not match the host's parameters

Check cradle host parameters or edit options connections

SYMBOL DS3478 PROGRAMMING BAR CODES



IBM 46XX Host Types



PORT 5B



PORT 9B

Scanner Emulation Host Types



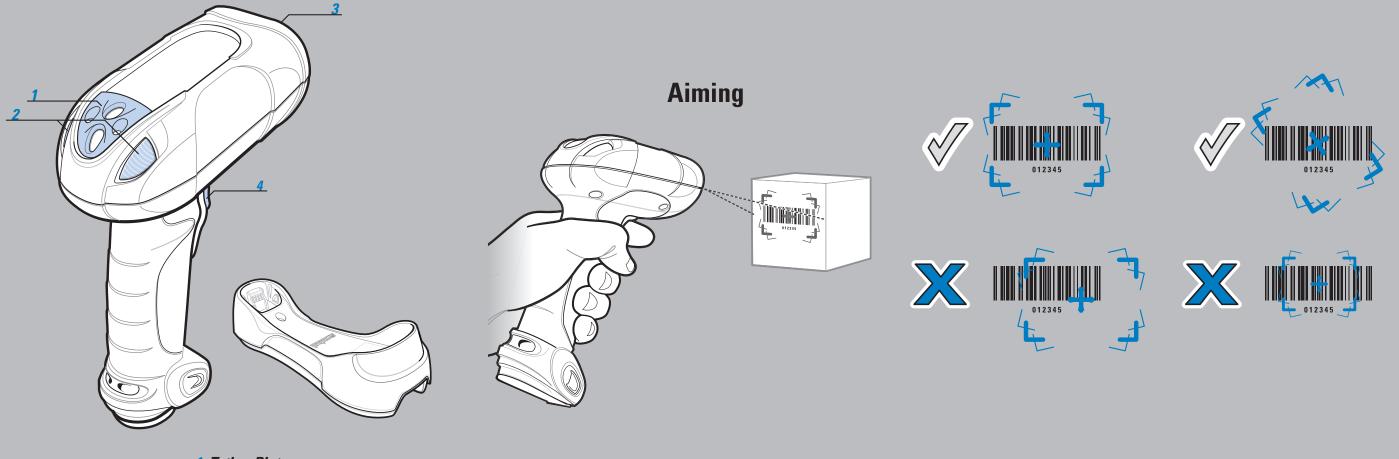
SCANNER EMULATION

Wand Emulation Host Types



SYMBOL WAND





- **1** Tether Plate **2** LED Indicators **3** Scan Window
- **4** Scan Trigger

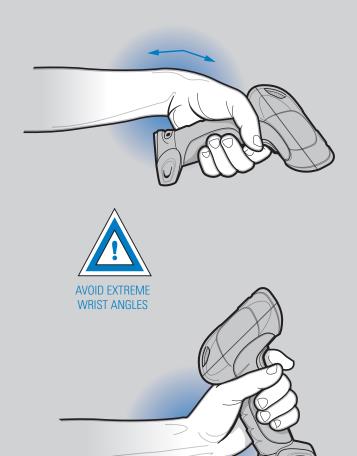
ALTERNATE LEFT AND RIGHT HANDS TAKING BREAKS AND TASK ROTATION RECOMMENDED

OPTIMUM UPRIGHT BODY POSTURE

AVOID EXTREME WRIST ANGLES

BEEPER INDICATIONS

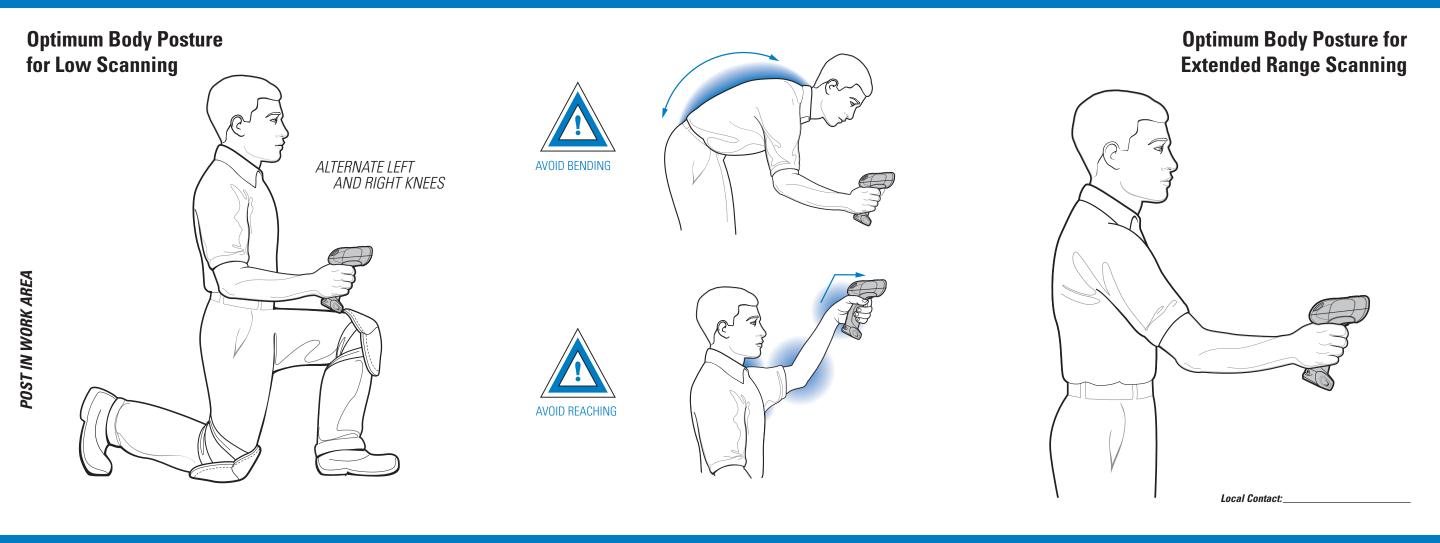




Power up			
	Bar code decoded [if decode beeper enabled]	Transmission error detected; data is ign	Low batter ored indication
Short low-high beep	Short high-low beep	Long	g low-high beep
Scanner has paired with the cradle	Scanner has u from the crad		Unsuccessful pairing attempt
Parameter Menu Sca	anning		
Short high-low-high-low beep	Short high-low beep		Long low-high beep
Successful parameter setting	Correct progra sequence perf		Incorrect programmin sequence or Cancel bar code scanned
	LED Indica	ations	
Standard Use			
Off	Green		Red
No power applied to scanner, or scanner is on and ready to scan	Bar code succe decoded	ssfully	Data transmission error or scanner mal
Charging Use			



OPTIMUM BODY POSTURE



SYMBOL DS3478

REGULATORY INFORMATION

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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. MOTOROLA, the Stylized M Logo and Symbol and the Symbol logo are registered trademarks of Motorola, Inc. Other product names mentioned in this manual may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

Warrantv

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

Patents

This product is covered by one or more patents. For patent information go to: http://www.symbol.com/patents.

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 Enterprise Mobility Support at: http://www.symbol.com/contactsupport. For the latest version of this guide go to: http://www.symbol.com/manuals.

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.

Regulatory Information

Symbol Technologies, Inc., the Enterprise Mobility business of Motorola, Inc. ("Motorola").

All Symbol devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required. Any changes or modifications to Symbol Technologies equipment, not expressly approved by Symbol Technologies, could void the user's authority to operate the equipment.

Regulatory Information is available in French, Italian, German, Spanish (Spain), Portuguese, Japanese, and simplified Chinese. Please see Web site: http:// www.symbol.com/manuals and look for your specific product.

Country Approval

Regulatory markings are applied to the device signifying the radio (s) are approved for use in the following countries: United States, Canada, Australia, Japan & Europe

Please refer to the Symbol Declaration of Conformity (DoC) for details of other country markings. This is available at http://www2.symbol.com/doc/.

Note1: For 2.4GHz Products: Europe includes, Austria, Belgium, Czech Republic, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovak Republic, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Radio Modules

The DS 3478 Scanners contain an approved radio module. This module is the Symbol Bluetooth radio Type: 21-64381

Bluetooth Devices

This product is an approved Bluetooth device. BT ID: BT01784

In accordance with Clause 5, IEC 825 and EN60825, the following information is provided to the user:

CLASS 1 LASER PRODUCT LASER LIGHT DO NOT STARE INTO BEAM **CLASS 2 LASER PRODUCT**

DANISH / DANSK

KLASSE 1 KLASSE 1 LASERPRODUKT KLASSE 2 LASERLYF SE IKKE IND I STRÅLEN **KLASSE 2 LASERPRODUKT**

DUTCH / NEDERLANDS

KLASSE 1 KLASSE-1 LASERPRODUKT KLASSE 2 LASERLICHT NIET IN STRAAL STAREN **KLASSE-2 LASERPRODUKT**

FINNISH / SUOMI

GERMAN / DEUTCH

JAPANESE/日本語

第1種

KLASSE 2 LASERSTRAHLEN

SCHAUEN

LUOKKA 1 LUOKKA 1 LASERTUOTE LUOKKA 2 LASERVALO ÄLÄ TUIJOTA SÄDETTÄ LUOKKA 2 LASERTUOTE

HEBREW נמוצר לייזר רמה 1 רמה 1

אור לייזר רמה 2 אין להביט אל תוך הזרם מוצר לייזר רמה 2

ITALIAN / ITALIANO

CLASSE 1 PRODOTTO AL LASER DI CLASSE 1 CLASSE 2 LUCE LASER NON FISSARE IL RAGGIOPRODOTTO AL LASER DI CLASSE 2

NORWEGIAN / NORSK

KLASSE 1 LASERPRODUKT, KLASSE 1 KLASSE 2 LASERLYS IKKE STIRR INN ILYSSTRÅLEN LASERPRODUKT, KLASSE 2

PORTUGUESE / PORTUGUÊS

CLASSE 1 PRODUTO LASER DA CLASSE 1 LUZ DE LASER NÃO FIXAR O RAIO LUMINOSO CLASSE 2 PRODUTO LASER DA CLASSE 2

ENGLISH CLASS 1 CLASS 2

Recommended Usage Guide

Laser Labels

- Reduce or eliminate repetitive motion
- Maintain a natural/neutral 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.

🔀 Waste Electrical and Electronic Equipment (WEEE)

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

Rugarish: За клиенти от EC: След края на полезния им живот всички продукти трябег ga се връщат на Motorola за рециклиране. За информация относно връщането на ихти, моля отидете на адрес: http://www.svmbol.com/weeelink. **Čeština:** Pro zákazníky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Motorola k recyklaci. Informace o způsobu vrácení produktu najdete na webové

stránce: http://www.symbol.com/environmental_compliance. Dansk: Til kunder i EU: Alle produkter skal returneres til Motorola til recirkulering, når de er udtjent. Læs oplysningerne om returnering af produkter på: http://www.symbol.com environmental compliance.

Deutsch: Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdaue zum Recycling an Motorola zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter http://www.symbol.com/environmental_compliance. Todanica minori too unity my EE. Dia na mpairimmy motocontentino minima Zomipianico. Xhymach Tian arkans omy EE. Dia na mpairioma, on stokom, na ódpakang (ding ouc, mpárra va emorpégovran omy Motorala ya avakúkulom, Tia mejaradrisejec πληροφορίες yttek με my emorpoga rivok mpödiroc, emoresefert am διεύθυνση ttp://www.symbol.com/environmental_compliance στο Διαδίκτυο.

Eseff: EL kilentidele: köik tooted lubb nende eluea lõppedes tagastada taaskasutamise esmärgil Motorola'ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: http://www.symbol.com/environmental_compliance. Español: Para clientes en la Unión Europea: todos los productos deberán entregarse a

Motorola al final de su ciclo de vida para que sean reciclados. Si desea más información sobre cómo devolver un producto, visite: http://www.symbol.com/environmental_compliance. Sone contra derivers de l'holocuto, viene méganimus produits en fin de cycle de vie doivent être retournés à Motorola pour recyclage. Pour de plus amples informations sur le retour de produits, consultez, http://www.symbol.com/environmental_compliance.

Italiano: per i clienti dell'UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di vita devone essere restituiti a Motorola al fine di consentime il ricidaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: http://www.symbol.com/ environmental_compliance.

"Lähvesu: ES klientieim: visi pirodukti pec tõ kalposänas muža beigam ir janogada atpakaj Motorola otrreizējai pärstrādei. Lai iegūtu informāciju par produktu nogādāšanu Motorola lüdzu, skatiet: http://www.symbol.com/environmental_compliance. Lietuvių: ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti grąžini utilizuoti į kompaniją "Motorola". Daugiau informacijos, kaip grąžinti gaminį, rasite

http://www.symbol.com/environmental_compliance. Mager: Az EU-ban vásátíkknak. Molen hinkmenen terméket a Motorola vállalathoz kell eljuttahi újrahasznosítás céljából. A termék visszajuttalásának módjával kapcsolatos tudnivalókért titogasson el a http://www.symbol.com/environmental_compliance weboldatra. Malti: Ghal klijenti fI-UE: il-prodotti kollha li jkunu waslu fI-ahhar tal-hajja ta' I-użu taghhom iridu jigu rritomati ghand Motorola ghar-ričiklaĝi. Ghal aktar taghrif dwar kif ghandek tirritoma I-prodott, jekk joghĝbok żur: http://www.symbol.com/environmental_compliance.

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.symbol.com/ environmental_compliance voor meer informatie over het terugzenden van producten. **Polski:** Klienci z obszaru Unii Europejskiej: Produkty wycofane z eksploatacji należy zwrócić do firmy Motorola w celu ich utylizacji. Informacje na temat zwrotu produktów znajdują się na stronie internetowej http://www.symbol.com/environmental compliance.

Português: Paraguês recicles da UE index son produtos no mán evida devolver o produtos Motorola para reciclagem. Para obter informações sobre como devolver o produto, visite: http://www.symbol.com/evivionmental_compliance.

Românesc: Pentru clienții din UE: Toate produsele, la sfârșitul duratei lor de funcționare trebuie returnate la Motorola pentru reciclare. Pentru informatii despre returnarea produsului accesați: http://www.symbol.com/weeelink. Slovenčina: Pre zákazníkov z krajín EU: Všetky výrobky musia byť po uplynutí doby ich

Sovenski z Pre zanazlimov z Anjin EU, isem / yrlioky misse byr Jo byrniau dogi rah životnosti vratene spoločnosti Modral na recykláci užižše informácio o vrateni výrokov nájdel na : http://www.symbol.com/environmental_compliance. Sovenski ž z kupe o EU: vsi zdelki se morajo po poleku življenjske dobe vrniti podjelju Motorola za reciklažo. Za informacije o vračilu izdelka običčite: http://www.symbol.com/

environmental_compliance.

Suomi: Asiakkaat Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväksi Motorola-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on osoitteessa http://www.symbol.com/environmental_compliance. ska: För kunder inom EU: Alla produkter s er inom EU: Alla produkter som uppnått sin livslängd måste returnera vinning. Information om hur du returnerar produkten finns på www.symbol.com/environmental_compliance



MOTOROLA

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72-72130-01 Rev B October 2007

SYMBOL DS3478

Operation of the device without regulatory approval is illegal.

Power Supply

Use only a Symbol-approved power supply 50-14000-101 output rated 9 Vdc101 minimum 1 A. The power supply is certified to EN60950 with SELV outputs. Use of alternative power supply will invalidate any approval given to this device and may be dangerous.



Safety Information

The device complies with Internationally recognised stadards covering Specific Absorption Rate (SAR) related to human exposure to electromagnetic fields from radio devices.

Reducing RF Exposure – Use Properly

It is advisable to use the device only in the normal operating position.

Hand Held Devices:

To comply with FCC RF exposure requirements, this device must be operated in the hand. Other operating configurations should be avoided.

Radio Frequency Interference Requirements



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. Radio Frequency Interference Requirements – Canada

Radio Transmitters

This device complies with RSS 210 of Industry & Science 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.

Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada technical specifications were met.

C E

Marking and European Economic Area (EEA)

Bluetooth for use through the EEA have the following restrictions: • Maximum radiated transmit power of 10mW EIRP in the frequency range 2.400 -2.4835 GHz • Italy requires a user license for outside usage.

Statement of Compliance

Symbol Technologies, Inc., hereby, declares that this device is in compliance with the essential requirements and other relevant provisions of Directives 1999/5/EC, 89/336/EEC and 73/23/EEC. Declaration of Conformities may be obtained from http://www2.symbol.com/doc/

http://www.symbol.com/ds3478sf

FRENCH / FRANÇAIS CLASSE 1 PRODUIT LASER DE CLASSE 1 CLASSE 2 LUMIERE LASER NE PAS REGARDER LE RAYON FIXEMENT PRODUIT LASER DE CLASSE 2

KLASSE 1 LASERPRODUKT DER KLASSE 1

SPANISH / ESPAÑOL

PRODUCTO LASER DE LA CLASE 1 CLASE 1 CLASE 2 LUZ LASER NO MIRE FIJAMENTE EL HAZ PRODUCTO LASER DE LA CLASE 2

SWEDISH / SVENSKA

LASERPRODUKT KLASS 1 KLASS 1 LASERLJUS STIRRA INTE MOT STRÅLEN KLASS 2 LASERPRODUKT KLASS 2

CHINESE/简体中文

1 类激光产品 1 类 2 类 激光切勿注视光束 2 类激光产品

第2種 レーザー光線 光線を見つめないでください 2種 レーザー製品

第1種レーザー製品

NICHT DIREKT IN DEN LASERSTRAHL

LASERPRODUKT DER KLASSE 2

KOREAN / 한국어

1등급 1등급 레이저 제품 레이저 광선 2등급 이 광선을 주시하지 마십시오. 2등급 레이저 광선

Laser Devices



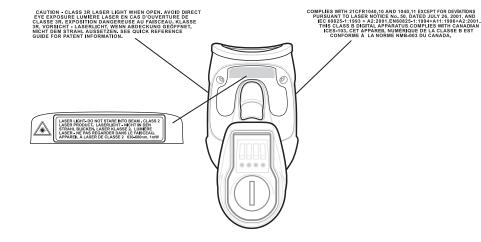
Symbol products using lasers comply with US 21CFR1040.10, and IEC825-1:1993, EN60825-1:1994+A11:1996. The laser classification is marked on one of the labels on the device.

Class 1 Laser devices are not considered to be hazardous when used for their intended purpose. The following statement is required to comply with US and international regulations:

Caution: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

Class 2 laser scanners use a low power, visible light diode. As with any very bright light source, such as the sun, the user should avoid staring directly into the light beam. Momentary exposure to a Class 2 laser is not known to be harmful.

Scanner Labeling



Recommended Usage Guide