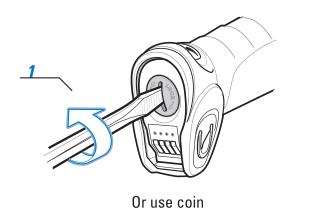
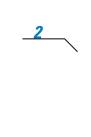
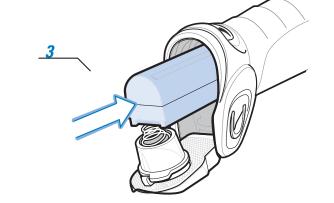


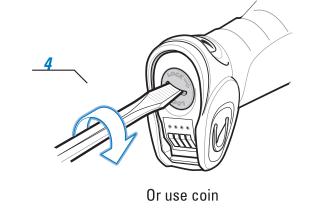
### **BATTERY INSERTION/REMOVAL**





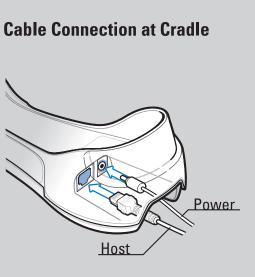


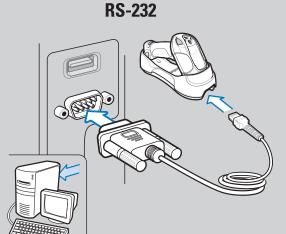


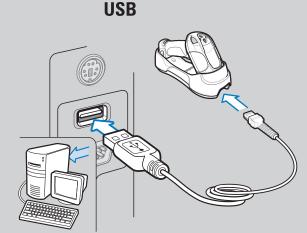


**HOST INTERFACES** 

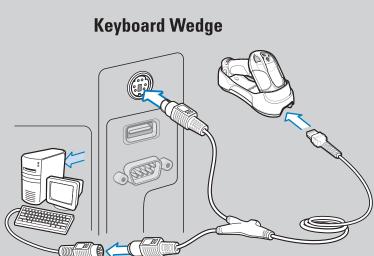
**NOTE:** Cables may vary depending on configuration

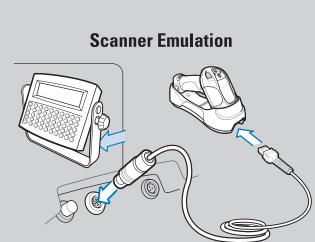


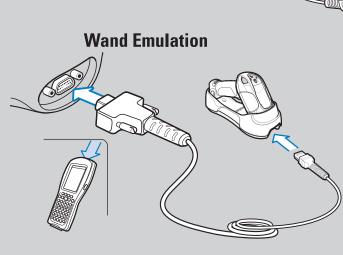


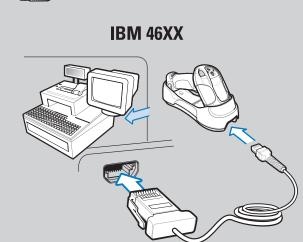


1 Tether Plate **2** LED Indicators 3 Scan Window 4 Scan Trigger









### **TROUBLESHOOTING**

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

**Scanner not working** 

No power to scanner

Check battery

End cap not secured correctly Turn end cap to secure **Scanner not decoding bar code** Scanner not programmed for bar code type

scanned

Ensure bar code is not defaced; try scanning test bar code of same Ensure scanner is programmed bar code type to read type of bar code being

Bar code unreadable

Distance between scanner and bar code incorrect Move scanner closer to or further from bar code

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 bar code on the cradle)

Pair the scanner to the cradle (using the

or edit options

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

Check scanner host parameters

Interface cable is loose Check for loose cable

connections

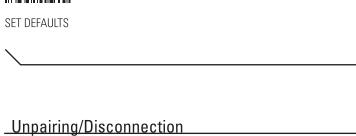
Scanner data incorrectly displayed on host

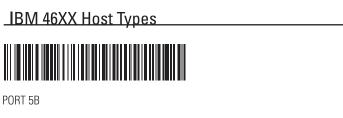
Paired cradle host communication parameters do not match the host's parameters

Check cradle host parameters or edit options connections

### **SYMBOL DS3478 PROGRAMMING BAR CODES**

Set Defaults SET DEFAULTS









Wand Emulation Host Types



USB Host Types

UNPAIR/DISCONNECT





IBM PC/AT and IBM PC COMPATIBLE

**ENABLE CONVERT TO CODE 39** 



\_Enter Key (Carriage Return/Line Feed)

\_RS-232 Host Types

IBM HAND-HELD USB







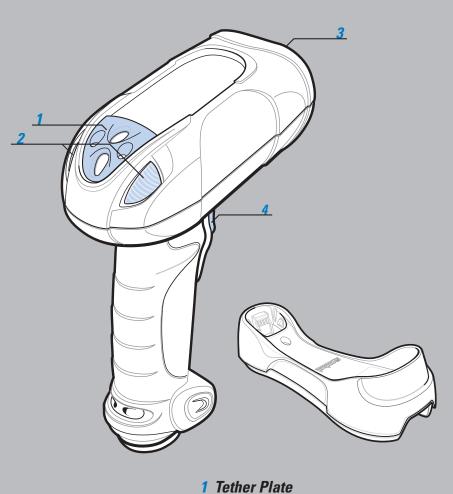
<DATA><SUFFIX 1>







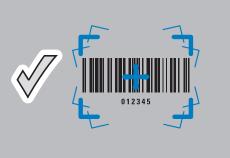




- **2** LED Indicators
- 3 Scan Window 4 Scan Trigger

### **Aiming**













ALTERNATE LEFT AND RIGHT HANDS TAKING BREAKS AND TASK ROTATION RECOMMENDED

> Charging Use Green Slow Flash

> > Scanner charging in

slow mode (used

powered by host

when cradle is

cable)

Green Fast Flash

power supply)

Scanner charging in rapid

mode (used when cradle

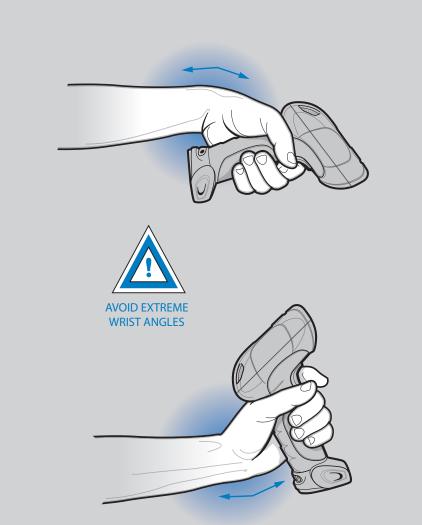
is powered from external

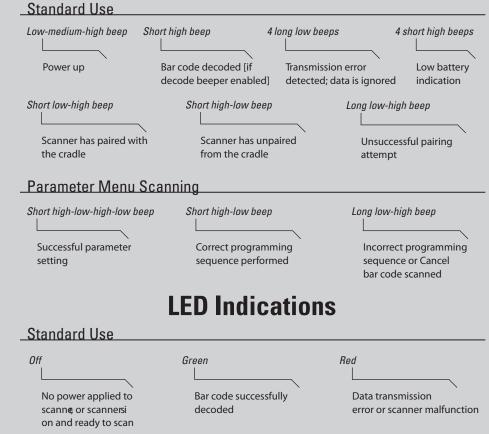
### **OPTIMUM UPRIGHT BODY POSTURE**



### **AVOID EXTREME WRIST ANGLES**

### **BEEPER INDICATIONS**





Red Flash

Charging problem

Guide for more

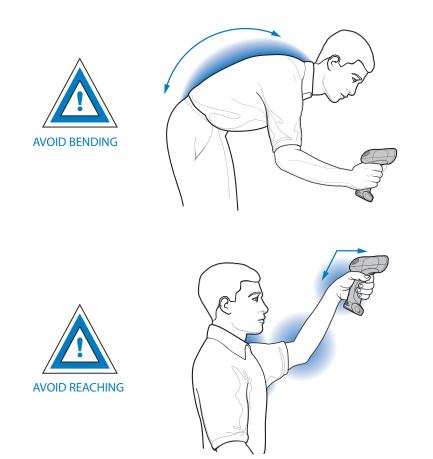
information

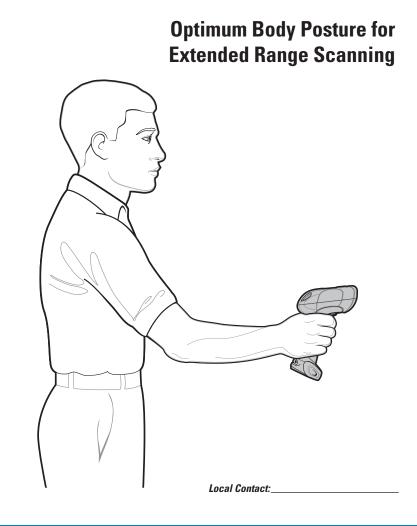
See Product Reference

Red and Green Flash

Temperature fault

# **Optimum Body Posture** for Low Scanning ALTERNATE LEFT AND RIGHT KNEES POST IN WORK AREA





## SYMBOL DS3478

### **REGULATORY INFORMATION**

### © 2010 MOTOROLA, INC. All rights reserved.

Motorola reserves the right to make changes to any product to improve reliability, function, 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.

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

- 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.

### 

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 motorola.com/recycling/weee.

да с е рецал на моили за креционирате. За инфулнацию плисито вращается на продухти, моля отидете на адрес: http://www.motorola.com/recycling/weee. Cestina: 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.motorola.com/recycling/weee. Dansk: Til kunder i EU: Alle produkter skal returneres til Motorola til recirkulering, når de er udtient. 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 Through the fine Sie unter http://www.motorole.com/recycling/weee.

Ελληνικά: Για πελάτες στην Ε.Ε.: Όλα τα προϊόντα, στο τέλος της διάρκαιος ζωής
τους, πρέπει να επιστρέφονται στην Motorole για σκακολιλωση. Για περισσότερες πλε
σχεπικά με την επιστρόφη ενός προϊόντος, επισκεφέθει τη διεύθυνση ogenki, με την επιστροφή ενός προϊόντος, επισκεφθείτε τη διεύθυνση http://www.motorola.com/recycling/weee στο Διαδίκτιο. Eeeff: Et. klientidele: kölik toted tuleb nende eluea löppedes tagastada taaskasutamise eesmärgil Motorola'ile, Lisainformatsiooni saamiseks toole tagastamise kohta külastage

palun aadressi: http://www.motorola.com/recvcling/weee. Español: Para clientes en la Unión Europea; todos los productos deberán entregarse a Espanor. Para clientés en la Union Europea: todos los productos deberan entregarse a Motorola al final de su ciclo de vida para que sean recidados. Si desea más informaci sobre cómo devolver un producto, visite: http://www.motorola.com/recycling Flangals: Clients de Uluion Européenne: Tous les produis en fin de cycle de vie dolv étre reloumés à Motorola pour recydage. Pour de plus amples informations sur le reto produits, consultez: http://www.motorola.com/recycling/weee. rola.com/recycling/weee

Italiano: per i clienti dell'UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di

"Lātviesu: ES klientiem: visi produkti pec to kalposāňas muza beigam ir janogada atpakaļ Motorola otrreizējai pārstrādei. Lai iegūtu informāciju par produktu nogādāšanu Motorola lūdzu, skatiet: http://www.motorola.com/recycling/weee

Motorola, Inc.

MOTOROLA

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Lietuvių: ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti grąžinti

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: Ghal klijenti fl-UE: il-prodotti kollha li jkunu waslu fl-ahhar tal-hajja ta' l-użu taghhom, iridu jiğu rritomati ghand Motorola ghar-nöklağğ. Ghal aktar taghrif dwar kif ghandek tirritoma Lprodott, jekk joghğbok zur: 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 het

Polati: (Nienci 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.motorola.com/recycling/weee. Português: Para clientes da UE: todos os produtos no fim de vida devem ser devolvidos à Motorola para reciclagem. Para obter informações sobre como devolver o produto, visite: http://www.motorola.com/recycling/weee.

Slovenčina: Pre zákazníkov z krajín EU: Všetky výrobky musia byť po uplynutí doby ich tivotnosti vrátené spoločnosti Motorola na recykláciu. Bližšie informácie o vrátení výrobkov nájdete na: http://www.motorola.com/recycling/weee. Slovenski: Za kupce v EU: vsi izdelki se moraio po poteku živlieniske dobe vrniti podjetju Motorola za reciklažo. Za informacije o vračilu izdelka obiščite http://www.motorola.com/recycling/weee.

Suomit Asiakkaat Euroopan unionin alueella: Kalkik luotteet on palautettava kierrätettäväks Motorola-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on sositiesessa http://www.motorola.com/recycling/weee.
Svenska: För kunder inom EU: Alla produkter som uppnätt sin livslängd 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 geri dönüştürme için rola'va iade edilmelidir. Ürünlerin nasıl iade edileceği hakk adresi zivaret edin; http://www.motorola.com/recycling/weee.

utilizuoti į kompaniją "Motorola". Daugiau informacijos, kaip grąžinti gaminį, rasite http://www.motorola.com/recycling/weee. Bulgarish: За клиенти от ЕС: След края на полезния им живот всички продукти трябва ла се връщат на Motorola за рециклиране. За информация относно воъщането на

erugzenden van producten.

Românesc Pentru clienții din UE: Toate produsele, la sfârșitul duratei lor de funcționare trebuie returnate la Motorola pentru reciclare. Pentru informații despre retumarea prod accesați: http://www.motorola.com/recycling/weee.

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

Regulatory Information is available in French, Italian, German, Spanish (Spain), Portuguese, Japanese,

**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

available at http://motorola.com/enterprisemobility/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



Operation of the device without regulatory approval is illegal.

Use ONLY a LISTED Motorola, Type no. 50-14000, or PWRS-14000, Direct Plug-In power supply, marked Class 2 or LPS, or SELV, Rated 5 Vdc, 850 m A (IEC 60950-1). Use of alternative power supply will invalidate any approvals given to this device and may be dangerous.



### Safety Information

The device complies with Internationally recognised standards 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



This device complies with Part 15 of the FCC Rules.

### 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

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.

### Regulatory Information

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

and simplified Chinese. Please see Web site: http://www.motorola.com/enterprisemobility/support and look for your specific product.

Please refer to the Symbol Declaration of Conformity (DoC) for details of other country markings. This is

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

### NICHT DIREKT IN DEN LASERSTRAHL **SCHAUEN** LASERPRODUKT DER KLASSE 2 FCC / EU RF Exposure Guidelines

レーザー光線 2種 レーザー製品

Radio Transmitters (Part 15)

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

specifications were met.

### 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://www.motorola.com/enterprisemobility/doc.

http://www.motorola.com/ds3478

information is provided to the user:

Laser Labels In accordance with Clause 5, IEC 825 and EN60825, the following

Recommended Usage Guide

**ENGLISH** CLASS 1 LASER PRODUCT LASER LIGHT

DO NOT STARE INTO BEAM **CLASS 2 LASER PRODUCT** DANSK KLASSE 1 KLASSE 1 LASERPRODUKT

KLASSE 2 LASERLYF SE IKKE IND I STRÅLEN KLASSE 2 LASERPRODUKT

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

FINNISH / SUOMI LUOKKA 1 LUOKKA 1 LASERTUOTE LUOKKA 2 LASERVALO ÄLÄ TUIJOTA SÄDETTÄ LUOKKA 2 LASERTUOTE

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

PRODUIT LASER DE CLASSE 2 **GERMAN / DEUTCH** KLASSE 1 LASERPRODUKT DER KLASSE 1 KLASSE 2 LASERSTRAHLEN

JAPANESE / 日本語 第1種レーザー製品 光線を見つめないでください SWEDISH / SVENSKA LASERPRODUKT KLASS 1 KLASS 1 LASERLJUS STIRRA INTE MOT STRÅLEN KLASS 2 LASERPRODUKT KLASS 2 CHINESE/简体中文

LUZ LASER

אור לייזר

אין להביט אל תוך הזרם

**ITALIANO** 

CLASSE 1

**NORSK** 

מוצר לייזר רמה 2

CLASSE 2 LUCE LASER

PORTUGUESE / PORTUGUÊS

SPANISH / ESPAÑOL

CLASE 1

CLASE 2

רמה 2

PRODOTTO AL LASER DI CLASSE 1

AL LASER DI CLASSE 2

LASERPRODUKT, KLASSE 1

LASERPRODUKT, KLASSE 2

CLASSE 1 PRODUTO LASER DA CLASSE 1

NON FISSARE IL RAGGIOPRODOTTO

LASERLYS IKKE STIRR INN ILYSSTRÅLEN

LUZ DE LASER NÃO FIXAR O RAIO LUMINOSO

PRODUTO LASER DA CLASSE 2

PRODUCTO LASER DE LA CLASE 1

PRODUCTO LASER DE LA CLASE 2

NO MIRE FIJAMENTE EL HAZ

1类激光产品 1 类 2 类 激光切勿注视光束 2类激光产品

KOREAN / 한국어 1등급 레이저 제품 레이저 광선 이 광선을 주시하지 마십시오. 2등급 레이저 광선

### Laser Devices

Symbol products using lasers comply with US 21CFR1040.10 and 1040.11 except for deviations pursuant to laser notice no. 50, dated June 24, 2007

and IEC 60825-1 (Ed. 2.0), EN60825-1:2007. 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

