Zebra reserves the right to make changes to any product to improve reliability, function, or design.

Zebra 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 Zebra products might be used. An implied license exists only for equipment, circuits, and subsystems contained in Zebra products.

Note: This Product may contain Open Source Software. For information regarding licenses, acknowledgements, required copyright notices, and other usage terms, refer to the Documentation at: http://www.zebra.com/support.

Warranty

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

For Australia Only

For Australia Only. This warranty is given by Zebra Technologies Asia Pacific Pte. Ltd., 71 Robinson Road, #05-02/03, Singapore 068895, Singapore. 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.

Zebra Technologies Corporation 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 Zebra Technologies Corporation at +65 6858 0722. You may also visit our website: http://www.zebra.com 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 Zebra Global Customer Support Center at: http://www.zebra.com/support.

For the latest version of this guide go to: http://www.zebra.com/support.
Scanner Features

Presentation Mode
Connect Host Interface

USB

The digital scanner automatically detects the host interface type and uses the default setting. If the default (*) does not meet your requirements, scan another host bar code below.

*USB Keyboard HID

IBM OPOS
(IBM Hand-Held USB with Full Scan Disable)

IBM Hand-Held USB

Symbol Native API (SNAPI) with Imaging Interface
The digital scanner automatically detects the host interface type and uses the default setting. If the default (*) does not meet your requirements, scan another host bar code below.

- Standard RS-232
- ICL RS-232
- Wincor-Nixdorf RS-232 Mode A
- Wincor-Nixdorf RS-232 Mode B
Keyboard Wedge

The digital scanner automatically detects the host interface type and uses the default setting. If the default (*) does not meet your requirements, scan the IBM PC/AT & IBM PC Compatibles bar code below.

*IBM AT Notebook

IBM PC/AT & IBM PC Compatible
IBM 46XX

The digital scanner automatically detects the IBM host, but there is no default setting. Scan one of the bar codes below to select the appropriate port.

- Non-IBM Scanner Emulation (Port 5B)
- Hand-Held Scanner Emulation (Port 9B)
- Table-Top Scanner Emulation (Port 17)
Set Defaults Bar Code

---

Return to Factory Defaults

---

Enter Key Bar Code (Carriage Return/Line Feed)

Add an Enter key after scanned data.

---

Enter Key (Carriage Return/Line Feed)

---

Tab Key Bar Code

Add a Tab key after scanned data.

---

Tab Key

---
USB Caps Lock Override

USB Override Caps Lock Key (Enable)

*USB Do Not Override Caps Lock Key (Disable)

Scanning

Hand-Held and Hands-Free (Presentation) Scanning

Aiming
## LED Indications

<table>
<thead>
<tr>
<th>Indication</th>
<th>LED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hand-Held Scanning</strong></td>
<td></td>
</tr>
<tr>
<td>The scanner is on and ready to scan, or no power to the scanner</td>
<td>Off</td>
</tr>
<tr>
<td>A bar code is successfully decoded</td>
<td>Green</td>
</tr>
<tr>
<td>Transmission error</td>
<td>Red</td>
</tr>
<tr>
<td><strong>Hand-Free (Presentation) Scanning</strong></td>
<td></td>
</tr>
<tr>
<td>No power to the scanner</td>
<td>Off</td>
</tr>
<tr>
<td>The scanner is on and ready to scan</td>
<td>Green</td>
</tr>
<tr>
<td>A bar code is successfully decoded</td>
<td>Off momentarily</td>
</tr>
<tr>
<td>Transmission error</td>
<td>Red</td>
</tr>
</tbody>
</table>

## Beeper Indications

<table>
<thead>
<tr>
<th>Indication</th>
<th>Beeper Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power up</td>
<td>Low/medium/high beep</td>
</tr>
<tr>
<td>A bar code is successfully decoded</td>
<td>Short high beep</td>
</tr>
<tr>
<td>Transmission error</td>
<td>4 long low beeps</td>
</tr>
<tr>
<td>Successful parameter setting</td>
<td>High/low/high/high/low beep</td>
</tr>
<tr>
<td>Correct programming sequence performed</td>
<td>High/low beep</td>
</tr>
<tr>
<td>Incorrect programming sequence, or Cancel bar code scanned</td>
<td>Low/high beep</td>
</tr>
</tbody>
</table>
123Scan²

123Scan² is an easy-to-use, PC-based software tool that enables rapid and easy customized setup of a scanner via a bar code or USB cable.

For more information, visit: http://www.zebra.com/123Scan2.

Utility Functionality

- Device configuration
  - Electronic programming (USB cable)
  - Programming bar code(s)
- Data view – Scan log (display scanned bar code data)
- Access asset tracking information
- Upgrade firmware and view release notes
- Remote management (SMS package generation)

Recommended Usage / Optimum Body Posture

Avoid Extreme Wrist Angles

Avoid Bending

Avoid Reaching
## Troubleshooting

<table>
<thead>
<tr>
<th>Indication</th>
<th>Speaker Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aiming dot does not appear</strong></td>
<td></td>
</tr>
<tr>
<td>No power to scanner</td>
<td>Connect scanner to powered host, or connect power supply</td>
</tr>
<tr>
<td>Aiming dot is disabled</td>
<td>Enable aiming dot</td>
</tr>
<tr>
<td><strong>Scanner decodes bar code but does not transmit data</strong></td>
<td></td>
</tr>
<tr>
<td>Interface cable is loose</td>
<td>Reconnect the cable</td>
</tr>
<tr>
<td>Transmission or format error</td>
<td>Set the proper communication and conversion parameters</td>
</tr>
<tr>
<td>Invalid ADF rule</td>
<td>Program the correct ADF rules</td>
</tr>
<tr>
<td><strong>Scanner does not decode bar code</strong></td>
<td></td>
</tr>
<tr>
<td>Scanner not programmed for bar code type</td>
<td>Enable that bar code type</td>
</tr>
<tr>
<td>Bar code is unreadable</td>
<td>Ensure the bar code is not defaced; scan a test bar code of the same bar code type</td>
</tr>
<tr>
<td>Bar code is out of aiming dot area</td>
<td>Move the aiming dot over the bar code</td>
</tr>
<tr>
<td><strong>Scanned data incorrectly displayed on host</strong></td>
<td></td>
</tr>
<tr>
<td>Host interface not configured properly</td>
<td>Scan appropriate host parameter bar codes</td>
</tr>
<tr>
<td>Region improperly configured</td>
<td>Select appropriate country and language encoding scheme</td>
</tr>
</tbody>
</table>
Regulatory Information

This guide applies to Model Number: DS4308.

All Zebra 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.zebra.com/support.

Any changes or modifications to Zebra equipment, not expressly approved by Zebra, could void the user’s authority to operate the equipment.

CAUTION: Only use Zebra approved and UL Listed accessories.

Declared maximum operating temperature: 40°C.

LED Devices

Aim/Illumination

Classified as “EXEMPT RISK GROUP” according to IEC 62471:2006 and EN 62471:2008

Pulse duration: Continuous

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 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.

Power Supply

Use ONLY an approved UL LISTED ITE (IEC/EN 60950-1, SELV) power supply with electrical ratings: Output 5Vdc, min 850mA, with a maximum ambient temperature of at least 40 degrees C. Use of alternative power supply will invalidate any approvals given to this unit and may be dangerous.
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 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 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.

Marking and European Economic Area (EEA)

Statement of Compliance (Non-radio products)

Zebra hereby declares that this device is in compliance with all applicable Directives, 2014/30/EU, 2014/35/EU, and 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: http://www.zebra.com/doc

Japan (VCCI) - Voluntary Control Council for Interference

Class B ITE

Korea Warning Statement for Class B ITE
Other Countries

Brazil
Regulatory declarations for DS4308 - BRAZIL
For more information consult the website www.anatel.gov.br
Declarações Regulamentares para DS4308 - Brazil
Nota: A marca de certificação se aplica ao Transceptor, modelo DS4308. 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 informações sobre ANATEL consulte o site: www.anatel.gov.br

Chile
Este equipo cumple con la Resolución No 403 de 2008, de la Subsecretaria de telecomunicaciones, relativa a radiaciones electromagnéticas.

Mexico
Restrict Frequency Range to: 2.450 – 2.4835 GHz.
La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

S. Korea
For a radio equipment using 2400~2483.5MHz or 5725~5825MHz, the following two expression should be displayed;

Taiwan
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。

Ukraine
Дане обладнання відповідає вимогам технічного регламенту №1057, № 2008 на обмеження щодо використання деяких небезпечних речовин в електричних та електронних пристроях.
Waste Electrical and Electronic Equipment (WEEE)

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

EEE Yönetmeligine Uygundur
## China RoHS

This table was created to comply with China RoHS requirements.

<table>
<thead>
<tr>
<th>Parts</th>
<th>(Pb)</th>
<th>(Hg)</th>
<th>(Cd)</th>
<th>(Cr (VI))</th>
<th>(PBB)</th>
<th>(PBDE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Parts</td>
<td>X</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Circuit Modules</td>
<td>X</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Cables and Cable Assemblies</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Plastic and Polymeric Parts</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Optics and Optical Components</td>
<td>X</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Batteries</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

SJ/T 11364  GB/T 26572

X:  GB/T 2 6572  “×”