DS8108

Digital Scanner

Quick Start Guide

ZEBA
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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 and Presentation Mode

Aiming - Right/Wrong

Scanning

Hand-Held

Hands-Free (Presentation)
Connect Host Interface

✅ **NOTE** Cables may vary depending on configuration.

**USB**

Scan **ONE** of the bar codes below. 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 Hand-Held USB

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

Symbol Native API (SNAPI) with Imaging Interface
Scan **ONE** of the bar codes below. 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
- Nixdorf RS-232 Mode A
- Nixdorf RS-232 Mode B
- OPOS/JPOS
- Fujitsu RS-232
Keyboard Wedge

Scan ONE of the bar codes below. 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 and IBM PC COMPATIBLE bar code below.

*IBM AT Notebook

IBM PC/AT & IBM PC Compatibles
Scan **ONE** of the bar codes below. The digital scanner automatically detects the host interface type, 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)**
Useful Bar Codes

Set Defaults

Return to Factory Defaults

Add a Tab Key
To add a Tab key after scanned data, scan the bar code below.

Add a Tab Key

Add an Enter Key
To add an Enter key after scanned data, scan the bar code below.

Add Enter Key (Carriage Return/Line Feed)

USB Caps Lock Override

USB-Override Caps Lock Key (Enable)

*USB-Do Not Override Caps Lock Key (Disable)
User Indications (By Default)

<table>
<thead>
<tr>
<th>Indication</th>
<th>Beeper Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power up</td>
<td>Low/medium/high beeps</td>
</tr>
<tr>
<td>Bar code decoded</td>
<td>Medium beep</td>
</tr>
<tr>
<td>Transmission error detected; data is ignored</td>
<td>4 long low beeps</td>
</tr>
<tr>
<td>Successful parameter setting</td>
<td>High/low/high/low beeps</td>
</tr>
<tr>
<td>Correct programming sequence performed</td>
<td>High/low beeps</td>
</tr>
<tr>
<td>Incorrect programming sequence, or <strong>Cancel</strong> bar code scanned</td>
<td>Long low/long high beeps</td>
</tr>
</tbody>
</table>

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

123Scan

123Scan 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/123Scan](http://www.zebra.com/123Scan).

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).
# Troubleshooting

## Digital scanner not working

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No power to scanner</td>
<td>Connect scanner to powered host, or connect power supply.</td>
</tr>
<tr>
<td>Digital scanner disabled</td>
<td>Ensure that correct host interface cable is used.</td>
</tr>
</tbody>
</table>

## Digital scanner decoding bar code, but data not transmitting to host

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Host interface not configured properly</td>
<td>Scan appropriate host parameter bar codes.</td>
</tr>
<tr>
<td>Interface cable is loose</td>
<td>Ensure all cable connections are secure.</td>
</tr>
<tr>
<td>Invalid ADF rule</td>
<td>Program the correct ADF rules.</td>
</tr>
</tbody>
</table>

## Digital scanner not decoding bar code

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital scanner not programmed for bar code type</td>
<td>Ensure scanner is programmed to read type of bar code being scanned.</td>
</tr>
<tr>
<td>Bar code is unreadable</td>
<td>Ensure the bar code is not defaced; try scanning a test bar code of the same bar code type.</td>
</tr>
<tr>
<td>Distance between scanner and bar code incorrect</td>
<td>Move scanner closer to, or further from bar code.</td>
</tr>
</tbody>
</table>

## Scanned data incorrectly displayed on host

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<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>
RECOMMENDED USAGE GUIDE - OPTIMUM BODY POSTURE

Avoid extreme wrist angles.

Avoid bending.

Avoid reaching.
Regulatory Information

This device is approved under Zebra Technologies Corporation.

This guide applies to Model Number DS8108.

All Zebra devices are designed to be compliant with the rules and regulations in the locations they are sold and will be labeled as required.

Local language translations are available at the following website: 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.

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.

LED Devices


Power Supply

Use ONLY a Zebra approved UL LISTED ITE (IEC/EN 60950-1, LPS/SELV) power supply with electrical ratings: Output 5.2Vdc, min 1.1A, with a maximum ambient temperature of at least 50 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

CAN ICES-3 (B)/NMB-3(B).

Marking and European Economic Area (EEA)

Statement of Compliance

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.

Other Countries

Japan (VCCI) - Voluntary Control Council for Interference

Class B ITE

Korea Warning Statement for Class B ITE
**Chile**

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

**China**

通过访问以下网址可下载当地语言支持的产品说明书

[www.zebra.com/support](http://www.zebra.com/support)

**Ukraine**

Дане обладнання відповідає вимогам технічного регламенту №1057, № 2008 на обмеження щодо використання деяких небезпечних речовин в електричних та електронних пристроях.

**Thailand**

เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามข้อกำหนดของ กทช.

**Eurasian Customs Union**

Евразийский Таможенный Союз

Данный продукт соответствует требованиям знака EAC.

![EAC](https://example.com/eac.png)

**TURKISH WEEE Statement of Compliance**

EEE Yönetmeliğine Uygundur
China RoHS

This table was created to comply with China RoHS requirements.

<table>
<thead>
<tr>
<th>部件名称 (Parts)</th>
<th>有害物质</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>铅 (Pb)</td>
</tr>
<tr>
<td>金属部件 (Metal Parts)</td>
<td>X</td>
</tr>
<tr>
<td>电路模块 (Circuit Modules)</td>
<td>X</td>
</tr>
<tr>
<td>电缆及电缆组件 (Cables and Cable Assemblies)</td>
<td>O</td>
</tr>
<tr>
<td>塑料和聚合物部件 (Plastic and Polymeric Parts)</td>
<td>O</td>
</tr>
<tr>
<td>光学和光学组件 (Optics and Optical Components)</td>
<td>X</td>
</tr>
<tr>
<td>电池 (Batteries)</td>
<td>O</td>
</tr>
</tbody>
</table>

This table was created to comply with China RoHS requirements.

Waste Electrical and Electronic Equipment (WEEE)

**English**: 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/weee.

**Français**: Clients de l'Union Européenne: Tous les produits en fin de cycle de vie doivent être retournés à Zebra pour recyclage. Pour de plus amples informations sur le retour de produits, consultez : http://www.zebra.com/weee.

**Español**: Para clientes en la Unión Europea: todos los productos deberán entregarse a Zebra al final de su ciclo de vida para que sean reciclados. Si desea más información sobre cómo devolver un producto, visite: http://www.zebra.com/weee.

**Български**: За клиенти от ЕС: След края на ползация им живот всички продукти трябва да се връщат на Zebra за рециклиране. За информация относно връщането на продукти, моля отидете на адрес: http://www.zebra.com/weee.


**Italiano**: per i clienti dell’UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di vita devono essere restituiti a Zebra al fine di consentire il riciclaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: http://www.zebra.com/weee.


