



# ZEBRA DS4608 Digital Scanner User Guide

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**ZEBRA DS4608 Digital Scanner**



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## 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: [www.zebra.com](http://www.zebra.com) for the most updated warranty terms.

## Terms of Use

## Proprietary Statement

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## Product Improvements

Continuous improvement of products is a policy of Zebra Technologies. All specifications and designs are subject to change without notice.

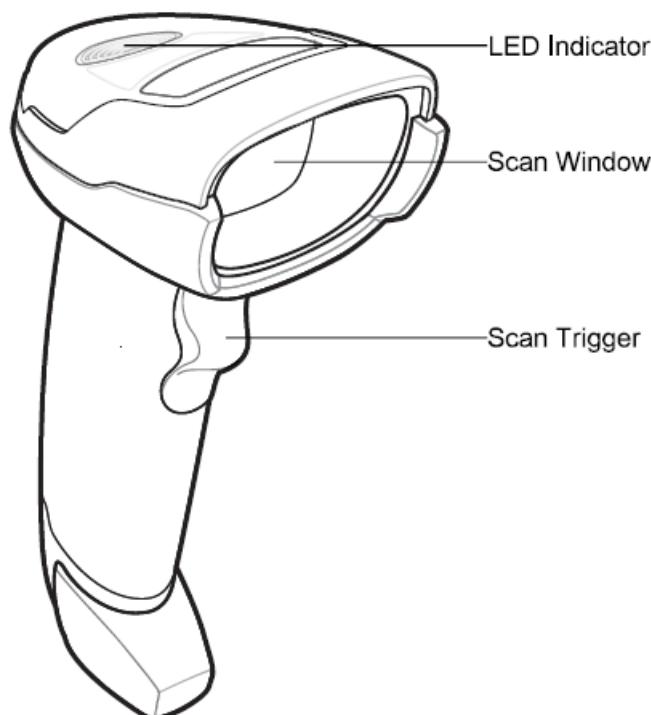
## Liability Disclaimer

Zebra Technologies takes steps to ensure that its published Engineering specifications and manuals are correct; however, errors do occur. Zebra Technologies reserves the right to correct any such errors and disclaims liability resulting therefrom.

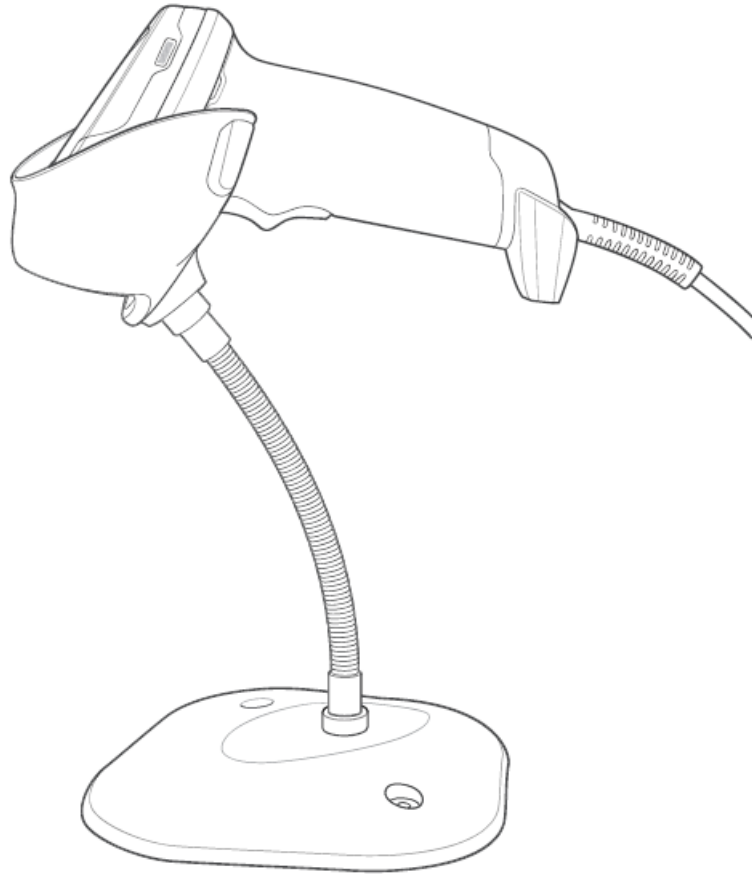
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## Features



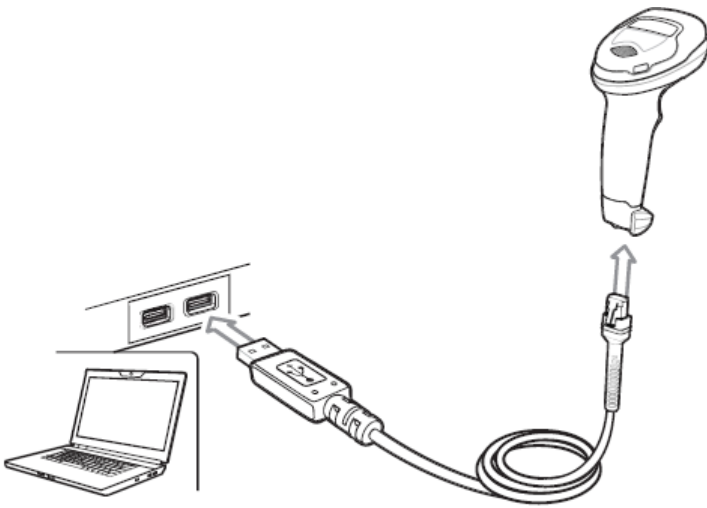
## Presentation Mode



## Connect Host Interface

### USB

The imager automatically detects the host interface type and uses the default setting. If the default(\*) does not meet your requirements, scan another host barcode below.



**\*USB Keyboard HID**



**IBM Hand-Held USB**



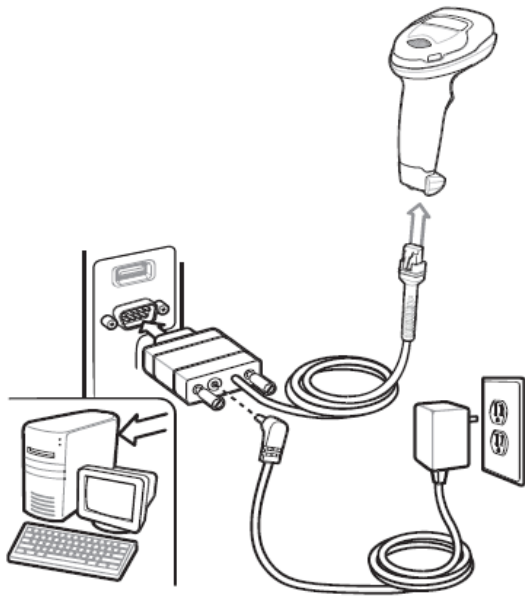
**OPOS  
(IBM Hand-Held with Full Disable)**



**SNAP! with Imaging**

## **RS-232**

The imager automatically detects the host interface type and uses the default setting. If the default(\*) does not meet your requirements, scan another host barcode below.



**\*Standard RS-232**



**ICL RS-232**



**Nixdorf RS-232 Mode A**



**Nixdorf RS-232 Mode B**



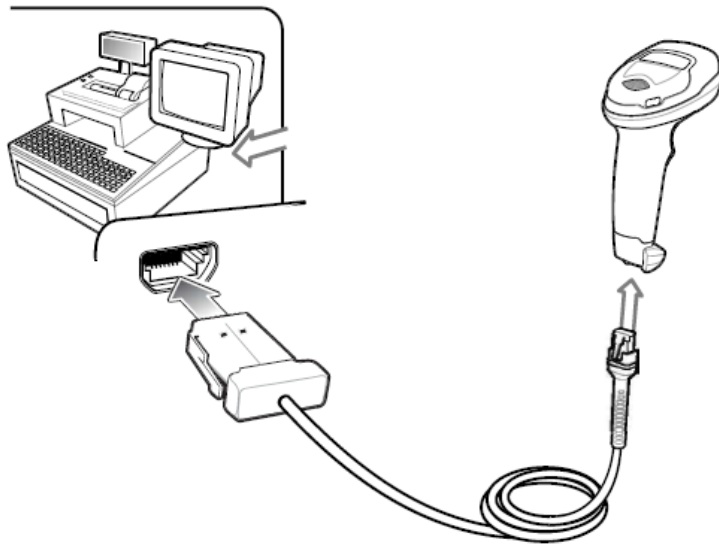
**OPOS/JPOS**



**Fujitsu RS-232**

## **IBM 46XX**

The imager automatically detects the host interface type, but there is no default setting. Scan one of the barcodes below to select the appropriate port.



**Non-IBM Scanner Emulation (Port 5B)**



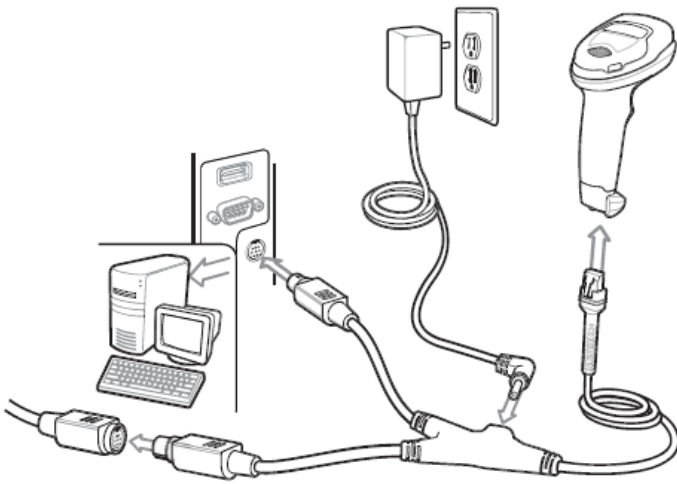
**Hand-Held Scanner Emulation (Port 9B)**



**Table-Top Scanner Emulation (Port 17)**

### **Keyboard Wedge**

The imager 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 barcode below.



**\*IBM AT Notebook**



**IBM PC/AT & IBM PC Compatible**

## **Set Defaults**



**Return to Factory Defaults**

## **Add a Tab Key**

To add a Tab key after scanned data, scan the barcode below.

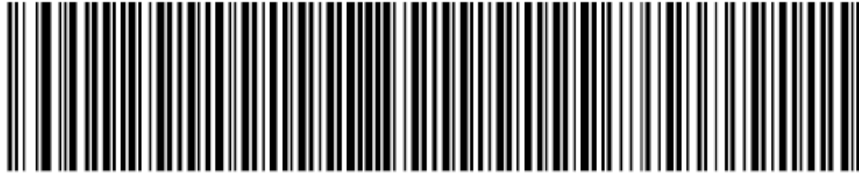


**Add a Tab Key**

## **Add an Enter Key {Carriage Return /Line Feed}**

To add an Enter key after scanned data, scan the barcode below.





**Add Enter Key**

## **USB Caps Lock Override**



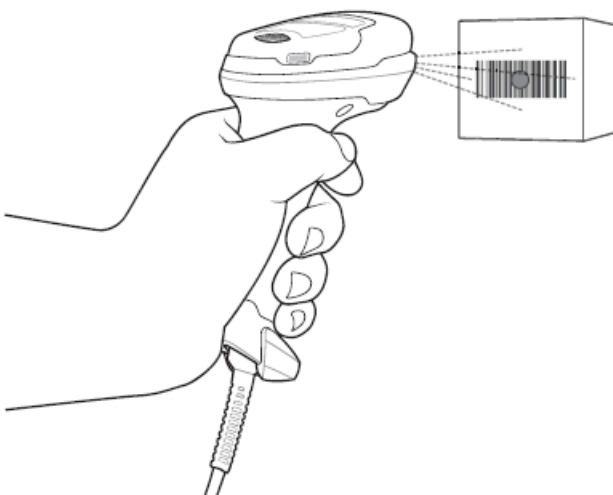
**USB-Override Caps Lock Key  
(Enable)**



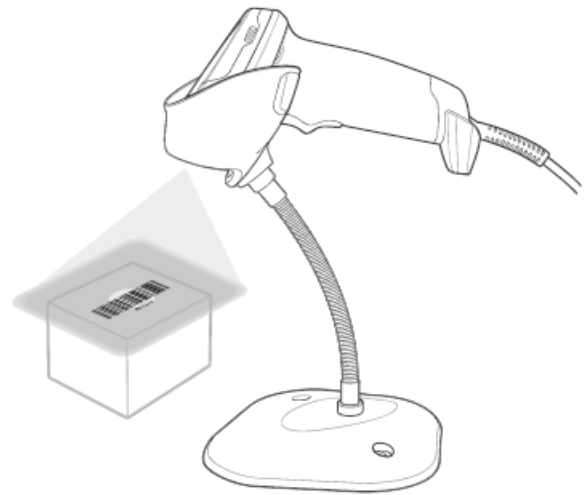
**\*USB - Do Not Override Caps Lock Key  
(Disable)**

## **Scanning**

Hand-Held



Hands-Free (Presentation)



## Hand-Held Aiming



## User Indications By Default

Indication	Beeper Sequence
Power up.	Low/medium/high beeps
Barcode decoded.	Short beep, tone programmable
Transmission error detected; data is ignored.	4 long low beeps
Successful parameter setting.	High/low/high/low beeps
Keyboard parameter selected. Enter value using numeric barcodes.	High/low beeps
Incorrect programming sequence, or Cancel barcode scanned.	Low/high beeps

Indication	LED Indicator
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### Hand-Held Scanning

Imager is on and ready to scan, or no power to scanner.	Off
Barcode is successfully decoded.	Green
Transmission error.	Red

### Hands-Free (Presentation) Scanning

No power to scanner or the scanner is in low power mode.	Off
Imager is ready to scan.	Green
Barcode is successfully decoded.	Momentarily off
Transmission error.	Red

## 123Scan

123Scan is an easy-to-use, PC-based software tool that enables rapid and easy customized setup of a scanner via a barcode or USB cable. For more information, visit: [www.zebra.com/123Scan](http://www.zebra.com/123Scan).

## Utility Functionality

- Device configuration
  - Electronic programming (USB cable)
  - Programming barcode(s)
- Data view – scan log (display scanned barcode data)
- Access asset tracking information
- Upgrade firmware and view release notes

- Remote management (SMS package generation).

## Troubleshooting

### Imager not working

No power to scanner.	Connect scanner to powered host, or connect power supply.
Imager is disabled.	Ensure that correct host interface cable is used.

### Imager decoding barcode, but data not transmitting to host

Host interface not configured properly.	Scan appropriate host parameter barcodes.
Interface cable is loose.	Ensure all cable connections are secure.
Invalid ADF Rule.	Program the correct ADF rules.

### Imager not decoding barcode

Imager not programmed for barcode type.	Ensure scanner is programmed to read type of barcode being scanned.
Barcode unreadable.	Ensure barcode is not defaced; try scanning test barcode of same barcode type.
Distance between scanner and bar code incorrect.	Move scanner closer to, or further from barcode.

### Scanned data incorrectly displayed on host

Host interface not configured properly.	Scan appropriate host parameter barcodes.
Region improperly configured.	Select appropriate country and language encoding scheme.

## Recommended Usage Guide



Alternate left and right hands taking breaks and task rotation recommended.

## 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.

## Regulatory Information

- This device is approved under Zebra Technologies Corporation.
- This guide applies to Model Number DS4608.
- 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](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.
- Declared maximum operating temperature: 50°C.

## LED Devices

- Classified as 'EXEMPT RISK GROUP' according to IEC 62471:2006 and EN 62471:2008. Pulse duration: 15.2 ms

## Power Supply

Use only a Zebra approved, certified LPS power supply rated 5.2Vdc, Min. 1.1A, 50 Deg. C. Use of any alternative power supply will invalidate the product warranty and may be dangerous.

## Radio Frequency Interference Requirements

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, under 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 by 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 the 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

Innovation, Science and Economic Development Canada ICES-003. Compliance Label: CAN ICES-3 (B)/NMB-

3(8).  
Marking and European Economic Area (EEA)

### Statement of Compliance

Zebra hereby declares that this device is in compliance with all the 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:

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

Japan (VCCI) – Voluntary Control Council for Interference  
Class BITE

This table was created to comply with China RoHS requirements.

Eurasian Customs Union  
TURKISH WEEE Statement


### 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: [www.zebra.com/weee](http://www.zebra.com/weee).

BSR idware GmbH Jakob-Haringer-Str.3 A-5020 Salzburg  
<https://www.bsr.at>  
[sales@bsr.at](mailto:sales@bsr.at)

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## Documents / Resources

	<p><a href="#">ZEBRA DS4608 Digital Scanner</a> [pdf] User Guide DS4608, DS4608 Digital Scanner, Digital Scanner, Scanner</p>
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