BSR idware GmbH
Jakob-Haringer-Str.3
A-5020 Salzburg
https://www.bsr.at
sales@bsr.at

DS4608-HC

Digital Scanner

Quick Start Guide

ZEBRA

MN-004107-01EN Rev. A

ZEBRA and the stylized Zebra head are trademarks of Zebra Technologies Corporation, registered in many jurisdictions worldwide. All other trademarks are the property of their respective owners.
© 2021 Zebra Technologies Corporation and/or its affiliates. All rights reserved.

Information in this document is subject to change without notice. The software described in this document is furnished under a license agreement or nondisclosure agreement. The software may be used or copied only in accordance with the terms of those agreements.

For further information regarding legal and proprietary statements, please go to:

SOFTWARE: zebra.com/linkoslegal
COPYRIGHTS: zebra.com/copyright
WARRANTY: zebra.com/warranty
END USER LICENSE AGREEMENT: zebra.com/eula

Terms of Use

Proprietary Statement

This manual contains proprietary information of Zebra Technologies Corporation and its subsidiaries (“Zebra Technologies”). It is intended solely for the information and use of parties operating and maintaining the equipment described herein. Such proprietary information may not be used, reproduced, or disclosed to any other parties for any other purpose without the express, written permission of Zebra Technologies.

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.

Limitation of Liability

In no event shall Zebra Technologies or anyone else involved in the creation, production, or delivery of the accompanying product (including hardware and software) be liable for any damages whatsoever (including, without limitation, consequential damages including loss of business profits, business interruption, or loss of business information) arising out of the use of, the results of use of, or inability to use such product, even if Zebra Technologies has been advised of the possibility of such damages. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

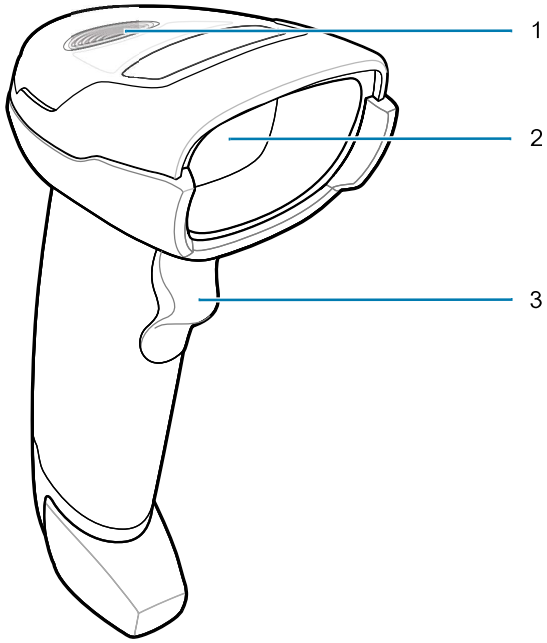
Publication Date

March 12, 2021

Introduction

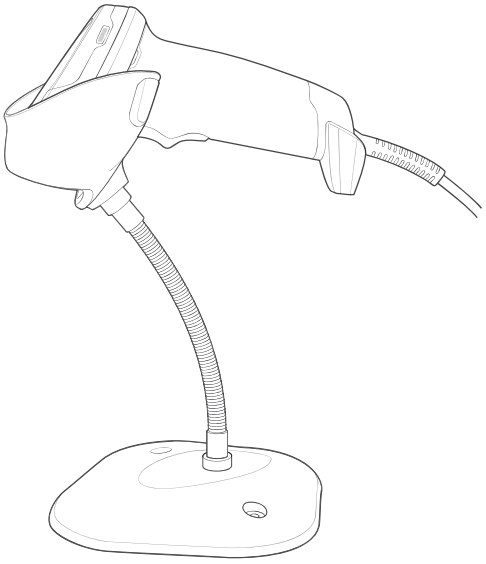
This guide provides basic instructions for setting up, programming, and using DS4608-HC scanners.

Features



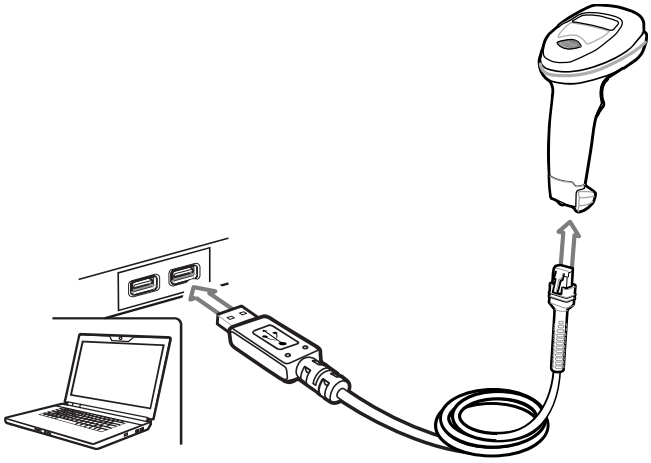
1	LED Indicator
2	Scan Window
3	Scan Trigger

Presentation Mode



Connect a USB Host Interface

The scanner automatically detects the host interface type and uses the default setting.



* **USB Keyboard HID**

Useful Barcodes

NOTE: An asterisk (*) indicates the default setting.

Set Defaults

Return to Factory Defaults

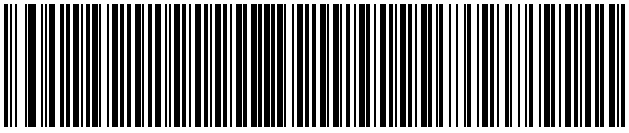
Add a Tab Key

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 (Carriage Return/line Feed)

USB Caps Lock Override

USB-Override Caps Lock Key (Enable)

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

Night Mode with Vibrate

Enable Night Mode Trigger

*** Disable Night Mode Trigger**

Toggle Night Mode

Picklist Mode

Picklist Mode enables you to pick out and decode a barcode from a group of barcodes that are printed close together by placing the aiming pattern on the barcode you want to decode.

Enable Picklist Mode in Hand-held Mode

*** Disable Picklist Mode Always**

ISBT Blood Bag Concatenation

Select an option for concatenating pairs of ISBT code types:

- **Enable ISBT Concatenation** (default) **-** Two ISBT barcodes are required for decode.
- **Disable ISBT Concatenation** - ISBT barcodes are decoded as individual barcodes.
- **Autodiscriminate ISBT Concatenation** - If a pair of ISBT barcodes is present, the scanner concatenates. Or else, a single barcode is transmitted.

*** Enable ISBT Concatenation**

Disable ISBT Concatenation

Autodiscriminate ISBT Concatenation

Hands-Free Mode

Scan one of the following barcodes to enable or disable the Hands-free mode.

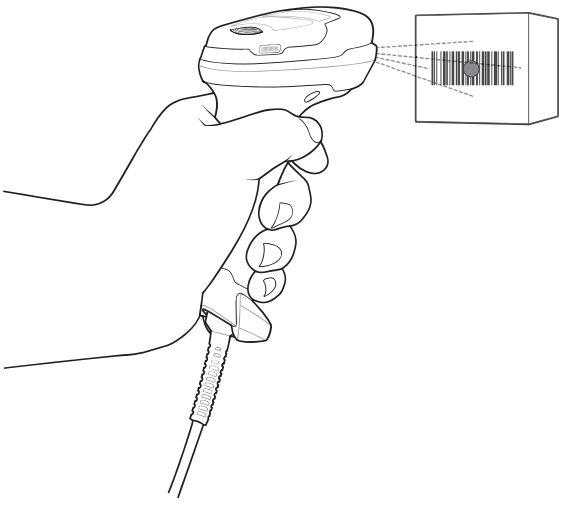
- **Enable Hands-free Mode** (default) - When the scanner is in the presentation cradle or Intellistand, it turns the illumination on slightly to detect the presence of a barcode and automatically triggers when a barcode is detected. Lifting the scanner causes it to behave according to the setting of the Hand-Held Trigger Mode.
- **Disable Hands-free Mode** - The scanner behaves according to the setting of the Hand-Held Trigger Mode whether or not it is in a cradle or Intellistand. The illumination only turns on when the scanner is lifted or when the trigger is pulled, depending on which Hand-Held Trigger Mode is selected.

*** Enable Hands-free Mode**

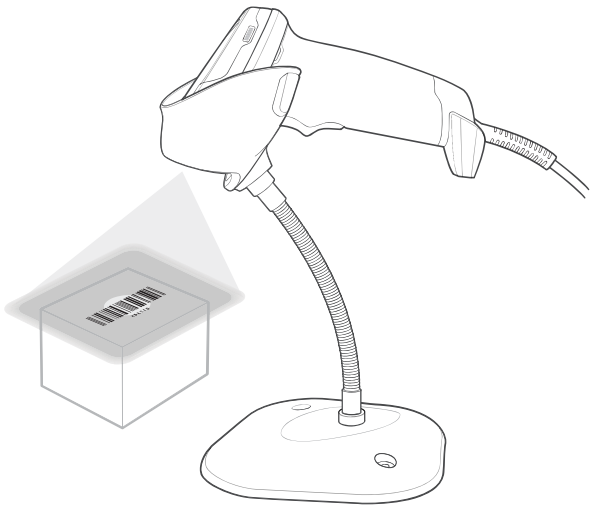
Disable Hands-free Mode

Scanning

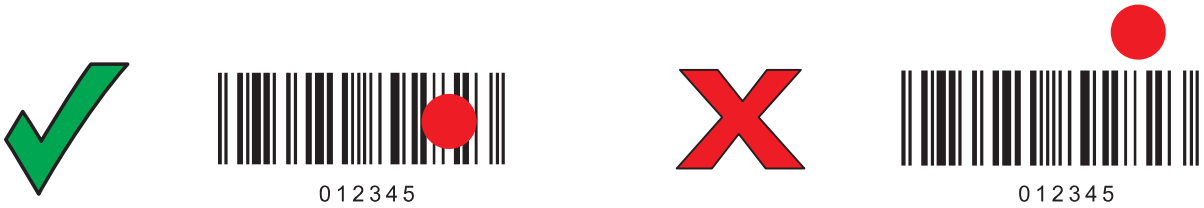
Hand-Held



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
Hand-Held Scanning	
Scanner is on and ready to scan, or no power to scanner.	Off
Barcode is successfully decoded.	Green flash
Transmission error.	Red
Hands-Free (Presentation) Scanning	
No power to scanner or the scanner is in low power mode.	Off
Scanner is ready to scan.	Green
Barcode is successfully decoded.	Momentarily off
Transmission error.	Red

BSR idware GmbH
Jakob-Haringer-Str.3
A-5020 Salzburg
https://www.bsr.at
sales@bsr.at

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: zebra.com/123Scan.

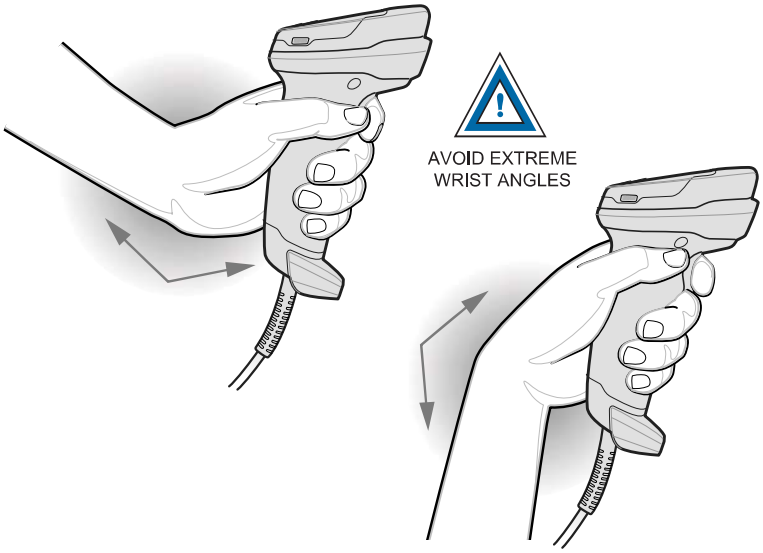
Utility Functionality

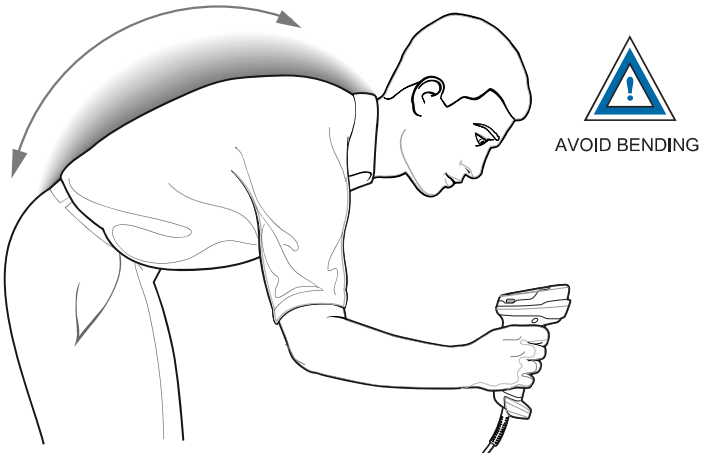
- Device configuration
  - Electronic programming (USB cable)
  - Programming bar code(s)
- Data view - scan log (display scanned bar code data)
- Access asset tracking information
- Upgrade firmware and view release notes
- Remote management (SMS package generation).

Troubleshooting

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 barcode 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.

Regulatory Information

This device is approved under Zebra Technologies Corporation.

This guide applies to the following model number: DS4608-HC

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.

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

CAUTION: Only use Zebra approved and NRTL-certified accessories, battery packs, and battery chargers. Do NOT attempt to charge damp/wet mobile computers, printers or batteries. All components must be dry before connecting to an external power source.

Health and Safety Recommendations

Ergonomic Recommendations

In order to avoid or minimize the potential risk of ergonomic injury, always follow good ergonomic workplace practices. Consult with your local Health and Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

LED Devices

Classified as 'EXEMPT RISK GROUP' according to IEC 62471:2006 and EN 62471:2008.

Pulse Duration: 15.2 ms

Power Supply

WARNING ELECTRICAL SHOCK: Use only a Zebra approved, Certified ITE [LPS] power supply with appropriate electrical ratings. Use of alternative power supply will invalidate any approvals given to this unit and may be dangerous.

CE Marking and European Economic Area (EEA)

Statement of Compliance

Zebra hereby declares that this device is in compliance with Directives 2014/30/EU, 2014/35/EU and 2011/65/EU.

The full text of the EU Declaration of Conformity is available at: zebra.com/doc.

EU Importer: Zebra Technologies B.V

Address: Mercurius 12, 8448 GX Heerenveen, Netherlands

Waste Electrical and Electronic Equipment (WEEE)

For EU and UK Customers: For products at the end of their life, please refer to recycling/disposal advice at: zebra.com/weee.

United States and Canada Regulatory

Radio Frequency Interference Notices

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

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

Japan (VCCI) - Voluntary Control Council for Interference

Class B ITE

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。 VCCI－B

Korea Warning Statement for Class B ITE

기 종 별	사용자 안내문
B 급 기기 (가정용 방송통신기기)	이 기기는 가정용 (B 급) 으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며 , 모든 지역에서 사용할 수 있습니다 .

中国

通过访问以下网址可下载当地语言支持的产品说明书 zebra.com/support

如果配套使用外部电源适配器，请确保其已通过 CCC 认证

合格证：

产品中有害物质的名称及含量

部件名称 (Parts)	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
金属部件 (Metal Parts)	X	O	O	O	O	O
电路模块 (Circuit Modules)	X	O	O	O	O	O
电缆及电缆组件 (Cables and Cable Assemblies)	O	O	O	O	O	O
塑料和聚合物部件 (Plastic and Polymeric Parts)	O	O	O	O	O	O
光学和光学组件 (Optics and Optical Components)	O	O	O	O	O	O
电池 (Batteries)	O	O	O	O	O	O

本表格依据 SJT 11364 的规定编制。

O: 表示该有害物质在该部件所有均质材料中的含量均在 SJ/T 11364:2014 规定的限量要求以下。

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11364:2014 规定的限量要求。(企业可在此处，根据实际情况对上表中打“×”的技术原因进行进一步说明。

Евразийский Таможенный Союз (EAC)

Данный продукт соответствует требованиям знака EAC.

臺灣

公司資訊

台灣斑馬科技股份有限公司 / 台北市信義區松高路 9 號 13 樓

限用物質含有情況標示聲明書

設備名稱 : Scanner			型號 （型式）: DS4608-HC Model Type designation (Type)			
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr+6)	多溴聯苯 (PBB)	多溴二苯醚 PBDE
印刷電路板及電子組件	–	O	O	O	O	O
金屬零件	–	O	O	O	O	O
電纜及電纜組件	O	O	O	O	O	O
塑料和聚合物零件	O	O	O	O	O	O
光學與光學元件	O	O	O	O	O	O
打印頭	O	O	O	O	O	O

備考 1. 〝超出 0.1 wt % 〞及〝超出 0.01 wt % 〞係指限用物質之百分比含量超出百分比含量基準值。

備考 2. 〝O〞係指該項限用物質之百分比含量未超出百分比含量基準值。

備考 3. 〝–〞係指該項限用物質為排除項目。

Note 1: “Exceeding 0.1 wt%” and “exceeding 0.01 wt%” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

Note 2: “O” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

Note 3: The “ – ” indicates that the restricted substance corresponds to the exemption.

TÜRK WEEE Uyumluluk Beyanı

EEE Yönetmeliğine Uygundur.

United Kingdom

Statement of Compliance

Zebra hereby declares that this device is in compliance with Electromagnetic Compatibility Regulations 2016, the Electrical Equipment (Safety) Regulations 2016 and the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.

The full text of the UK Declaration of Conformity is available at: zebra.com/doc.

UK Importer: Zebra Technologies Europe Limited

Address:

Dukes Meadow, Millboard Rd, Bourne End, Buckinghamshire, SL8 5XF

Warranty

For the complete Zebra hardware product warranty statement, go to: zebra.com\warranty.

Service Information

Before you use the unit, it must be configured to operate in your facility's network and run your applications.

If you have a problem running your unit or using your equipment, contact your facility's Technical or System Support. If there is a problem with the equipment, they will contact Zebra support at zebra.com\support.

For the latest version of the guide go to: zebra.com\support.

Additional Information

For information on using the DS4608-HC, refer to the DS4608-HC product guide available at: zebra.com/ds4608-hc.

BSR idware GmbH
Jakob-Haringer-Str.3
A-5020 Salzburg
https://www.bsr.at
sales@bsr.at