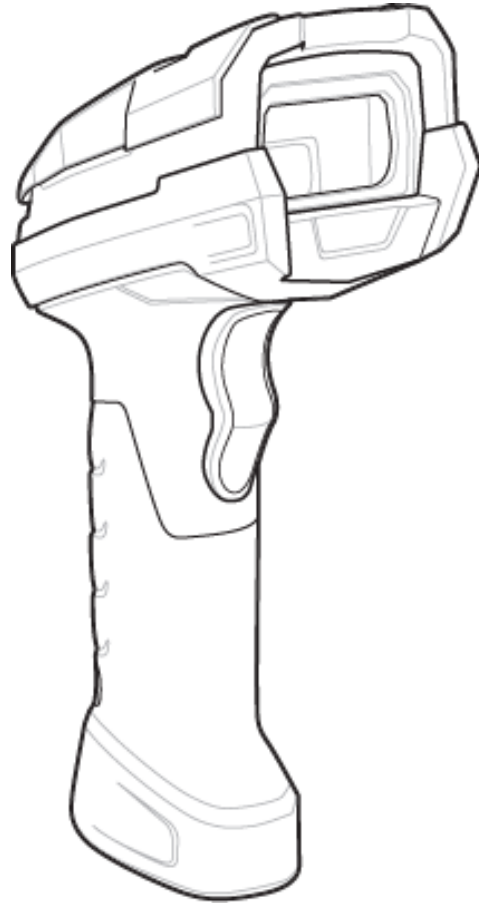


# LI3608



**Linear Imager Scanner**

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**Quick Start Guide**



**ZEBRA**

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.

### ***Warranty***

For the complete Zebra hardware product warranty statement, go to: [www.zebra.com/warranty](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: [www.zebra.com](http://www.zebra.com) for the most updated warranty terms.

### ***Service Information***

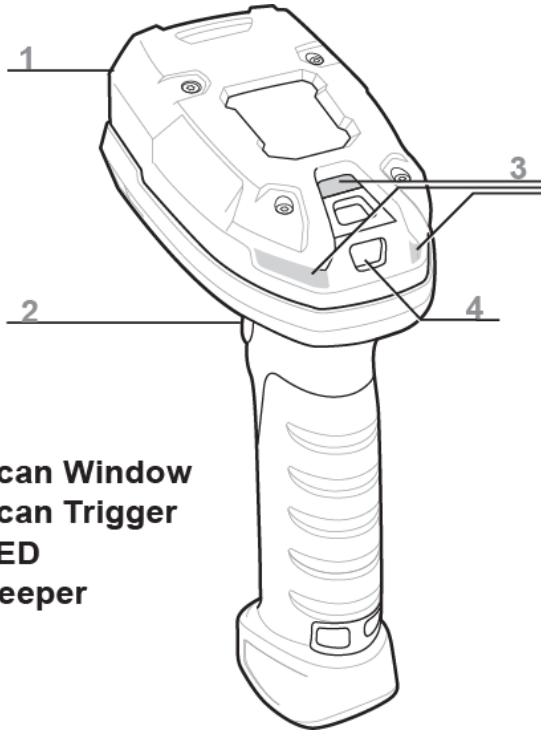
If you have a problem using the equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Zebra Global Customer Support Center at: [www.zebra.com/support](http://www.zebra.com/support).

For the latest version of this guide go to: [www.zebra.com/support](http://www.zebra.com/support).

## Introduction

The LI3608 linear imager combines excellent scanning performance and advanced ergonomics to provide the best value in a lightweight laser scanner, ensuring comfort and ease of use for extended periods of time.

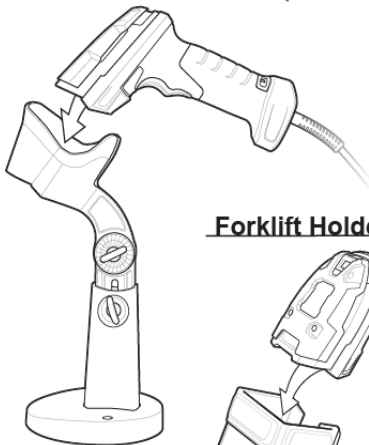
## Features



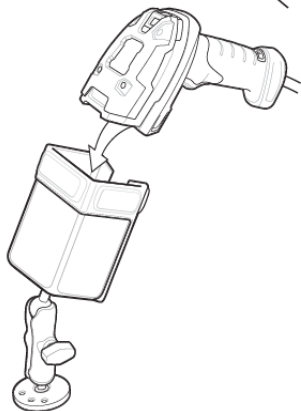
- 1 Scan Window
- 2 Scan Trigger
- 3 LED
- 4 Beeper

## Accessories

Intellistand

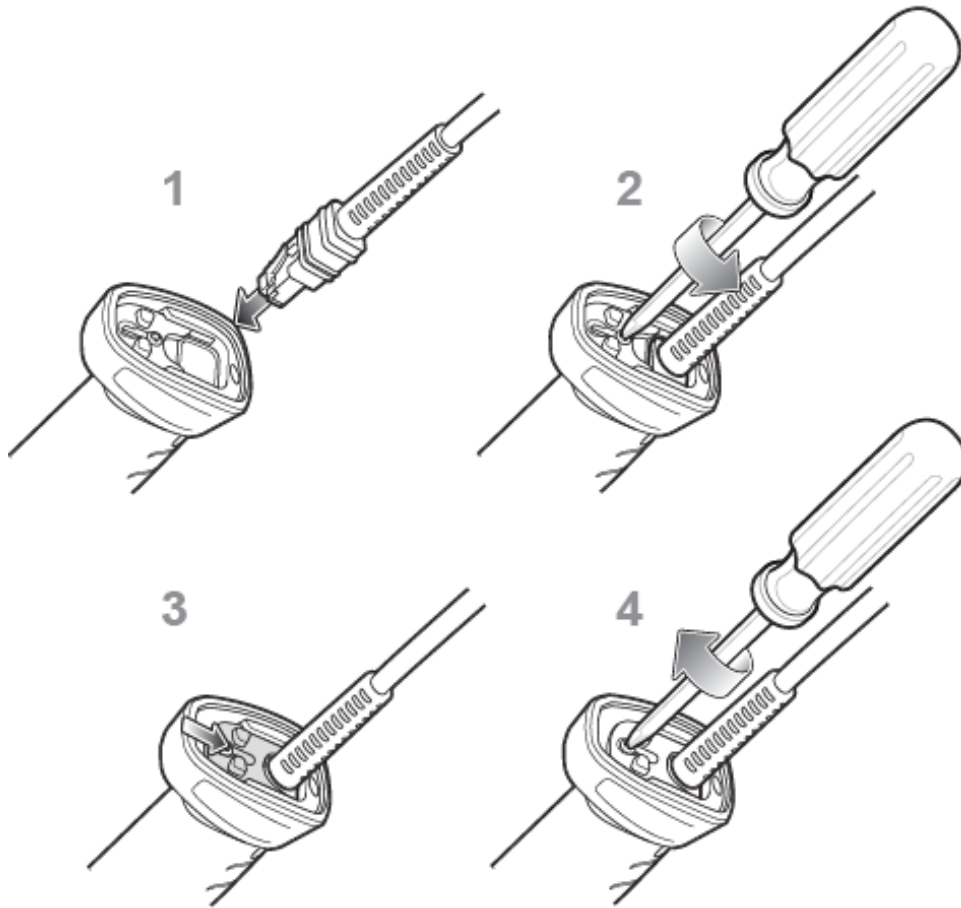


Forklift Holder



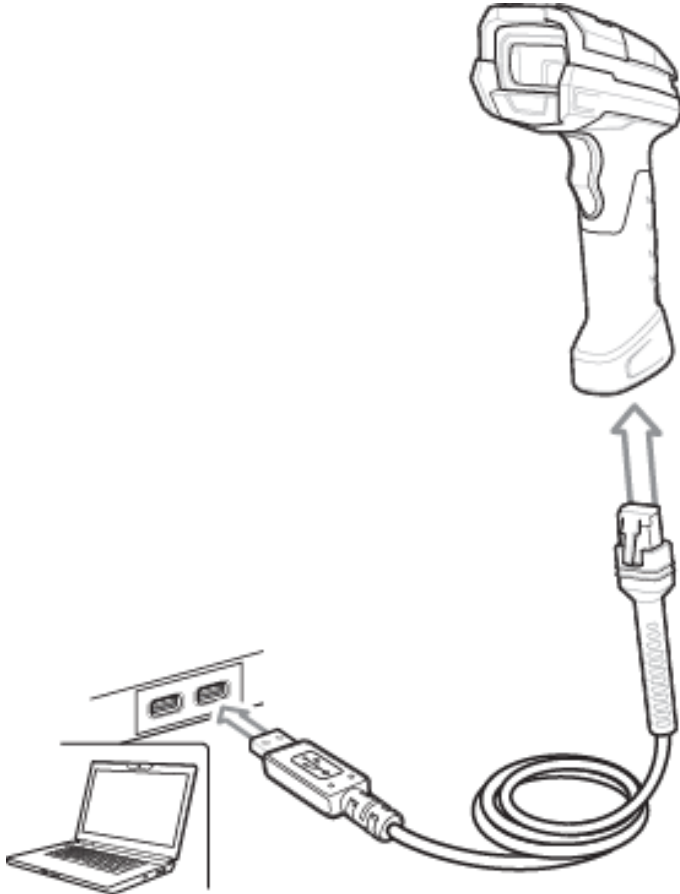
## Cable Attachment

1. Insert cable fully so that the connector is flush with the scanner surface.
2. Loosen metal lock plate screws using a PH1 driver.
3. Slide lock plate to fully locked position.
4. Tighten screw using a PH1 driver (torque: 5 in-lb.).

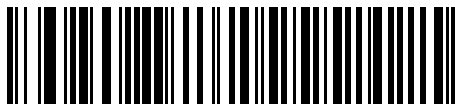


## Connect Host Interface

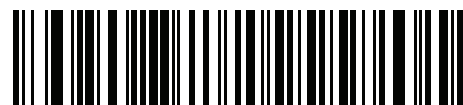
### USB



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)



USB CDC HOST

## USB (continued)



IBM TABLE TOP USB



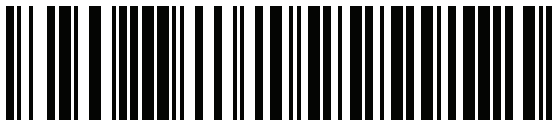
IBM HAND-HELD USB



SNAPI WITHOUT IMAGING



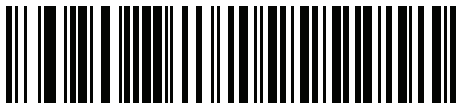
SNAPI WITH IMAGING



USB OPOS HAND-HELD

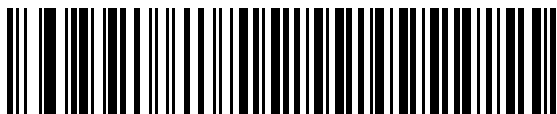
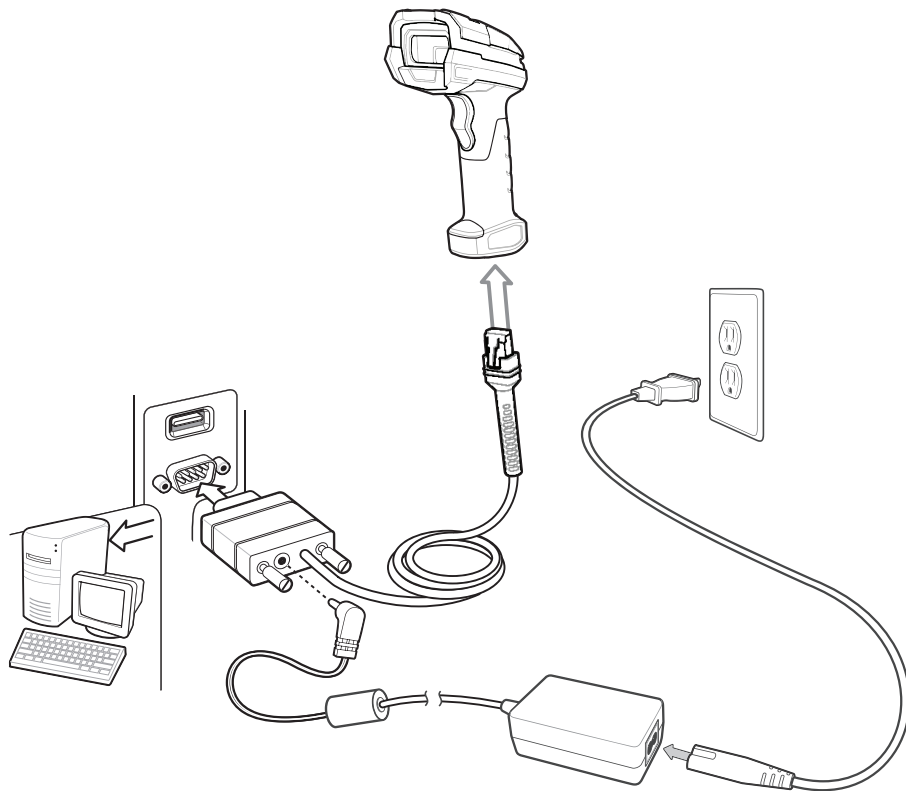


SSI OVER USB CDC

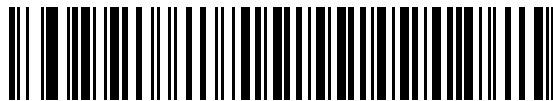


SIMPLE COM PORT EMULATION

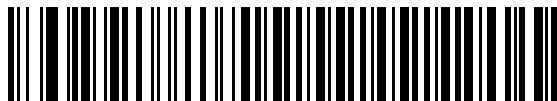
### RS-232



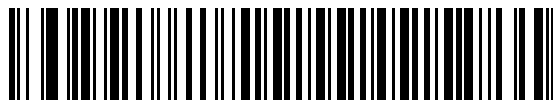
\*STANDARD RS-232



ICL RS-232



NIXDORF RS-232 MODE A

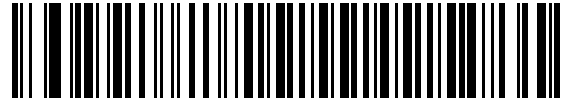


NIXDORF RS-232 MODE B

### RS-232 (continued)

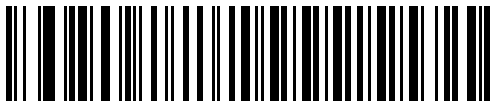
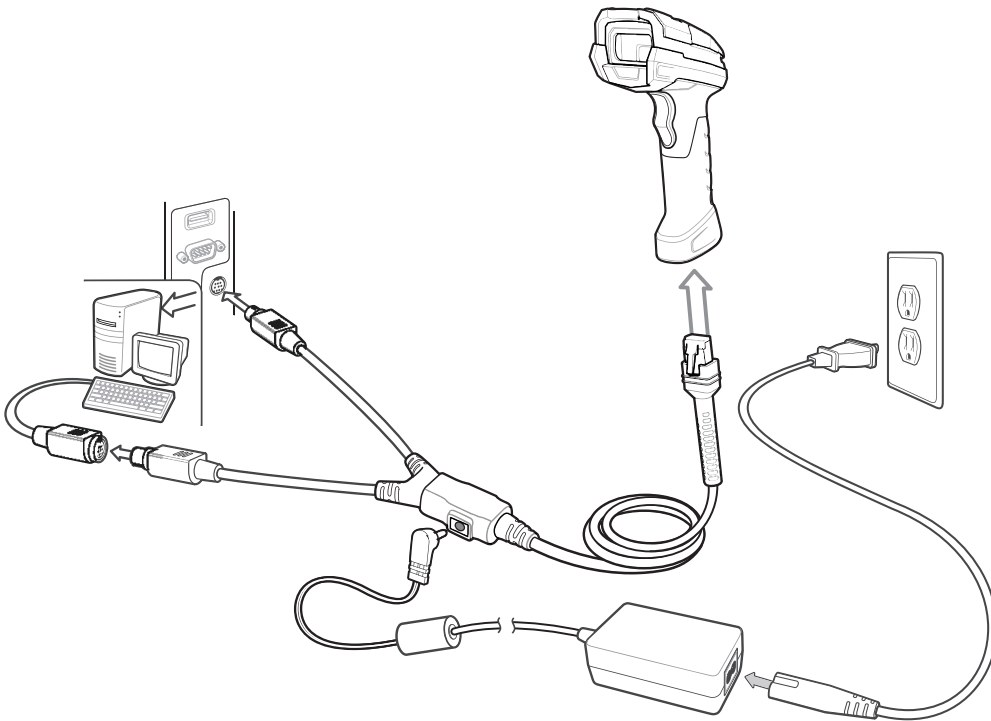


FUJITSU RS-232



OPOS/JPOS

### Keyboard Wedge



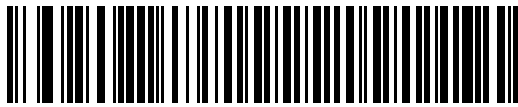
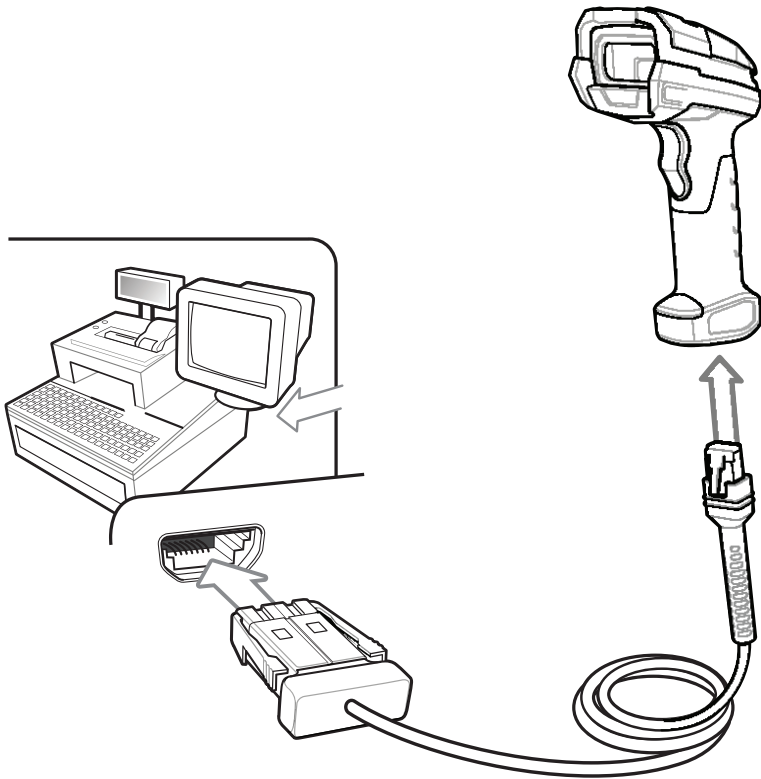
\*IBM AT NOTEBOOK



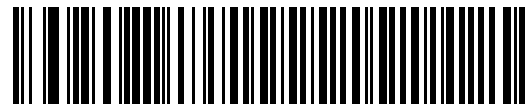
IBM PC/AT and IBM PC COMPATIBLE



# IBM 46XX



NON-IBM SCANNER EMULATION (PORT 5B)



HAND-HELD SCANNER EMULATION (PORT 9B)

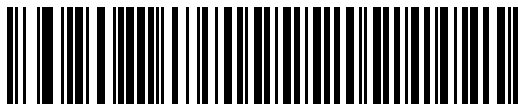


TABLE-TOP SCANNER EMULATION (PORT 17)

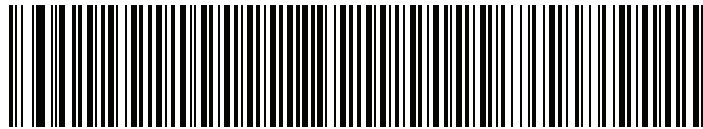
## Set Defaults Bar Code



RETURN TO FACTORY DEFAULTS

## Enter Key Bar Code (Carriage Return/Line Feed)

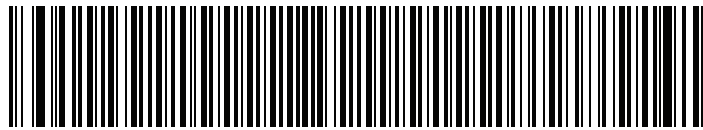
Add an Enter key after scanned data.



ADD AN ENTER KEY (CARRIAGE RETURN/LINE FEED)

## Tab Key Bar Code

Add a Tab key after scanned data.

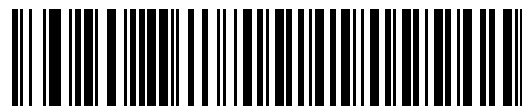


ADD A TAB KEY

## USB Caps Lock Override



USB - OVERRIDE CAPS LOCK KEY (ENABLE)



\*USB - DO NOT OVERRIDE CAPS LOCK KEY (DISABLE)

## Aiming

Cover the entire bar code with the aiming pattern to ensure it is within the field of view.

### LI3608-SR



### LI3608-ER



## LED Indications

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

## Beeper Indications

Indication	Beeper Sequence
Power up	Low/medium/high beep
A bar code is successfully decoded	Medium beep
Transmission error detected; data is ignored	4 long low beeps
Successful parameter setting	High/low/high/low beep
Correct programming sequence performed	High/low beep
Incorrect programming sequence, or <b>Cancel</b> bar code scanned	Low/high beep

## Troubleshooting

Problem	Possible Causes	Possible Solutions
Scanner not working.	No power to scanner.	Check system power.
	Scanner is disabled.	Ensure that correct host interface cable is used.
Scanner decoding bar code, but data not transmitting to host.	Host interface not configured properly.	Scan appropriate host parameter bar codes.
	Interface cable is loose.	Ensure all cable connections are secure.
	Invalid ADF rule.	Program the correct ADF rules.
Scanner not decoding bar code.	Scanner not programmed for bar code type.	Ensure scanner is programmed to read type of bar code being scanned.
	Bar code unreadable.	Ensure bar code is not defaced; try scanning test bar code of same bar code type.
	Distance between scanner and bar code incorrect.	Move scanner closer to, or further from bar code.
Scanned data incorrectly displayed on host.	Host interface not configured properly.	Scan appropriate host parameter bar codes.
	Region improperly configured.	Select appropriate country and language encoding scheme.

## 123Scan<sup>2</sup>

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.

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)

For more information, visit: [www.zebra.com/123Scan](http://www.zebra.com/123Scan).

## Regulatory Information

This device is approved under Zebra Technologies Corporation.

This guide applies to Model Number: LI3608. 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: [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.

## 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.

## Laser Devices

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.



**Caution:** Use of controls, adjustments, or the performance of procedures other than those specified herein may result in hazardous laser light exposure.

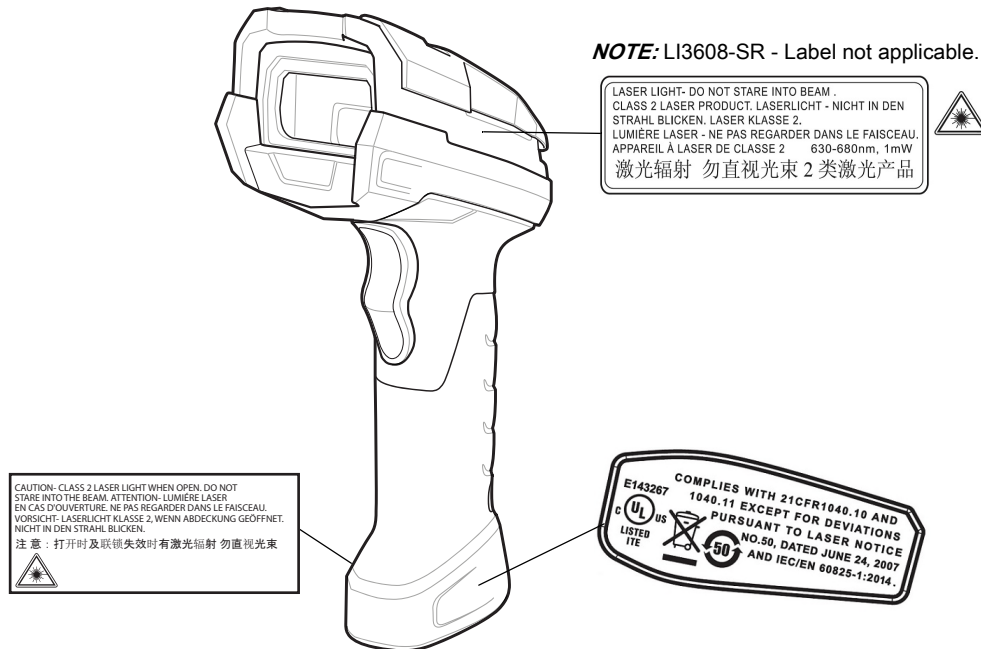
Labels Read:

1. Laser Light - do not stare into beam Class 2 Laser product.
2. Caution - Class 2 laser light when open. Avoid direct eye exposure.
3. Complies with 21 CFR1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007, and IEC/EN 60825-1:2014.

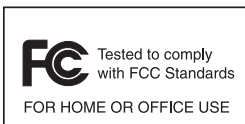
## LED Safety

Classified as Exempt Risk Group per IEC 62471:2006 (Ed. 1.0); EN 62471:2008.

Max Pulse Duration: 12 ms.



## 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)



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

**Other Countries**

**Japan (VCCI) - Voluntary Control Council for Interference**

**Class B ITE**

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラス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。

**Korea Warning Statement for Class B ITE**

기종별	사용자안내문
B급 기기 (가정용 방송통신기기)	이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

**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/contact](http://www.zebra.com/contact)

**Ukraine**

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



**Eurasian Customs Union  
Евразийский Таможенный Союз**

Данный продукт соответствует требованиям знака EAC.



## Waste Electrical and Electronic Equipment (WEEE)

**Bulgarian:** За клиенти от ЕС: След края на полезния им живот всички продукти трябва да се връщат на Zebra за рециклиране. За информацията относно връщането на продукти, моля отидете на адрес [www.zebra.com/weee](http://www.zebra.com/weee).

**Čeština:** Pro zákazníky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Zebra k recyklaci. Informace o způsobu vrácení produktu najdete na webové stránce: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Dansk:** Til kunder i EU: Alle produkter skal returneres til Zebra til recirkulering, når de er udtjent. Læs oplysningerne om returnering af produkter på: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Deutsch:** Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Zebra zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Ελληνικά:** Για πελάτες στην Ε.Ε.: Όλα τα προϊόντα, στο τέλος της διάρκειας ζωής τους, πρέπει να επιστράφονται στην Zebra για ανακύκλωση. Για περισσότερες πληροφορίες σχετικά με την επιστροφή ενός προϊόντος, επισκεφθείτε τη διεύθυνση [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee) στο Διαδίκτυο.

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

**Eesti:** EL klientidele: kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgil Zebra'ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Suomi:** Asiakkaita Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväksi Zebra-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteiden palauttamisesta on osoitteessa [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/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 : [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Magyar:** Az EU-ban vásárlóknak: Minden tönkrement termékét a Zebra vállalatához kell eljuttatni újrahasznosítás céljából. A termék visszajuttatásának módjával kapcsolat tudnivalóként látogasson el a [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/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: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Lietuvių:** ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti gražinti utilizuoti į kompaniją „Zebra“. Daugiau informacijos, kaip gražinti gaminį, rasite: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Latviešu:** ES klientiem: visi produkti pēc to kalpošanas mūža beigām ir jānogādā atpakaļ Zebra otrreizējai pārstrādei. Lai iegūtu informāciju par produktu nogādāšanu Zebra, lūdz, skatiet: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Malti:** Għal klijenti fl-UE: il-prodotti kollha li jkunu waslu fl-aħħar tal-ħajja ta' l-użu tagħhom, iridu jiġu rritornati għand Zebra għar-riċiklaġġ. Għal aktar tagħrif dwar kif għandek tirritorna l-prodott, jekk jogħġbok żur: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Nederlands:** Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Zebra te worden teruggezonden voor recycling. Raadpleeg [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee) voor meer informatie over het terugzenden van producten.

**Polski:** Klienci z obszaru Unii Europejskiej: Produkty wycofane z eksploatacji należy zwrócić do firmy Zebra w celu ich utylizacji. Informacje na temat zwrotu produktów znajdujących się na stronie internetowej [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Português:** Para clientes da UE: todos os produtos no fim de vida devem ser devolvidos à Zebra para reciclagem. Para obter informações sobre como devolver o produto, visite: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Românesc:** Pentru clienții din UE: Toate produsele, la sfârșitul duratei lor de funcționare, trebuie returnate la Zebra pentru reciclare. Pentru informații despre returnarea produsului, accesați: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Slovenčina:** Pre zákazníkov z krajín EU: Všetky výrobky musia byť po uplynutí doby ich životnosti vrátené spoločnosti Zebra na recykláciu. Bližšie informácie o vrátení výrobkov nájdete na: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Slovenski:** Za kupce v EU: vsi izdelki se morajo po poteku življenjske dobe vrniti podjetju Zebra za reciklažo. Za informacije o vračilu izdelka obiščite: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Svenska:** För kunder inom EU: Alla produkter som uppnått sin livslängd måste returneras till Zebra för återvinning. Information om hur du returnerar produkten finns på [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).

**Türkçe:** AB Müşterileri için: Kullanım süresi dolan tüm ürünler geri dönüştürme için Zebra'ya iade edilmelidir. Ürünlerin nasıl iade edileceği hakkında bilgi için lütfen şu adresi ziyaret edin: [www.zebra.com/recycling/weee](http://www.zebra.com/recycling/weee).


### TURKISH WEEE Statement of Compliance

EEE Yönetmeligine Uygundur



## China RoHS

This table was created to comply with China RoHS requirements.

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	○	○	○	○	○
电路模块 (Circuit Modules)	X	○	○	○	○	○
电缆及电缆组件 (Cables and Cable Assemblies)	○	○	○	○	○	○
塑料和聚合物部件 (Plastic and Polymeric Parts)	○	○	○	○	○	○
光学和光学组件 (Optics and Optical Components)	X	○	○	○	○	○
电池 (Batteries)	○	○	○	○	○	○

本表格依据SJ/T 11364 的规定编制。

- : 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。)

This table was created to comply with China RoHS requirements.



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