



ZEBRA RS5100, RSBT5 Bluetooth Wearable Scanner Instructions

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RS5100, RSBT5 Bluetooth Wearable
Scanner Instructions



RS5100 / RSBT5
Regulatory Guide

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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 Systems Support. If there is a problem with the equipment, they will contact the Zebra Global Customer Support at <http://www.zebra.com/support>.

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

Regulatory Information

This device is approved under Zebra Technologies Corporation.

This guide applies to Model Numbers RS5100 and RSBT5.

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: 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.



CAUTION

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

Bluetooth® Wireless Technology

This is an approved Bluetooth® product. For more information or to view the End Product Listing, please visit bluetooth.org/tpg/listings.cfm.

Frequency of Operation –FCC and IC

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.

Warnings for Use of Wireless Devices



CAUTION Please observe all warning notices with regard to the usage of wireless devices.

Potentially Hazardous Atmospheres – Vehicles Use

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles such as grain, dust, or metal powders and any other area where you would normally be advised to turn off your vehicle engine.



Safety in Hospitals

Wireless devices transmit radio frequency energy and may affect medical electrical equipment.

Wireless devices should be switched off wherever you are requested to do so in hospitals, clinics or healthcare facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

Pacemakers

Pacemaker manufacturers recommended that a minimum of 15 cm (6 inches) be maintained between a handheld wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with independent research and recommendations by Wireless Technology Research.

Persons with Pacemakers:

- Should ALWAYS keep the device more than 15cm (6 inches) from their pacemaker when turned ON.
- Should not carry the device in a breast pocket.
- Should use the ear furthest from the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn OFF your device.

Other Medical Devices

Please consult your physician or the manufacturer of the medical device to determine if the operation of your wireless product may interfere with the medical device.

RF Exposure Guidelines



Safety Information

Reducing RF Exposure – Use Properly

Only operate the device in accordance with the instructions supplied.

International

The device complies with internationally recognized standards covering human exposure to electromagnetic fields from radio devices. For information on “International” human exposure to electromagnetic fields refer to the Zebra Declaration of Conformity (DoC) at: zebra.com/doc. For further information on the safety of RF energy from wireless devices – see zebra.com/responsibility located under Corporate Responsibility.

Europe

Handheld Devices

This device was tested for typical body worn operation. Use only Zebra tested and approved belt-clips, holsters, and similar accessories to ensure EU Compliance.

US and Canada

Handheld Devices

This device was tested for typical body worn operation. Use only Zebra tested and approved belt-clips, holsters, and similar accessories to ensure FCC Compliance. The use of third-party belt-clips, holsters, and similar accessories may not comply with FCC RF exposure compliance requirements, and should be avoided.



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.



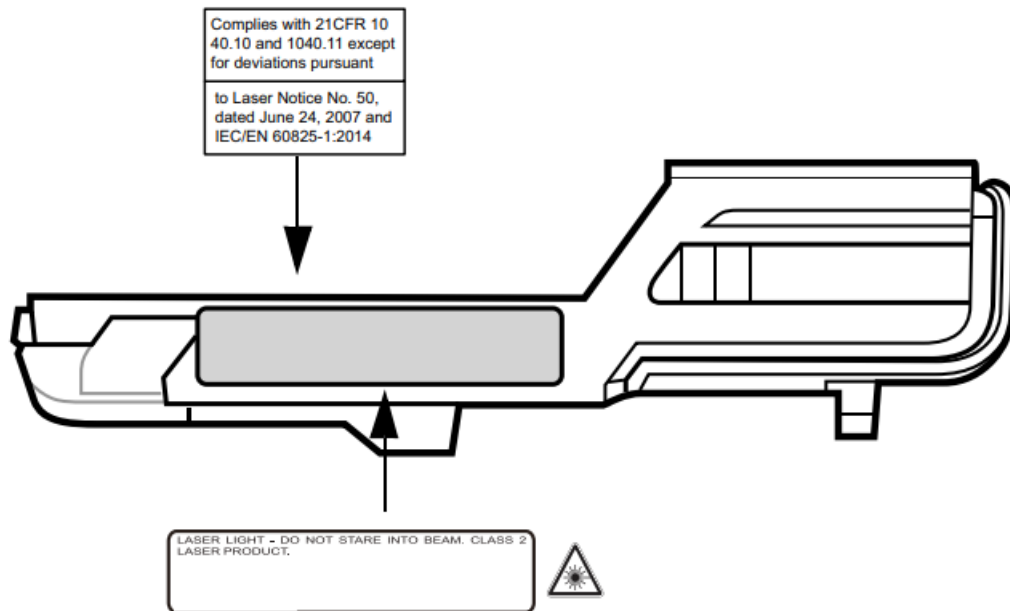
Caution: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

SE5500

- Wavelength: 500-570 nm
- Maximum Output: 1 maw
- Pulse Duration: 4 mms
- Beam Divergence: 18°
- Repetition Rate: 16.7 MS

Scanner Labeling

SE4770

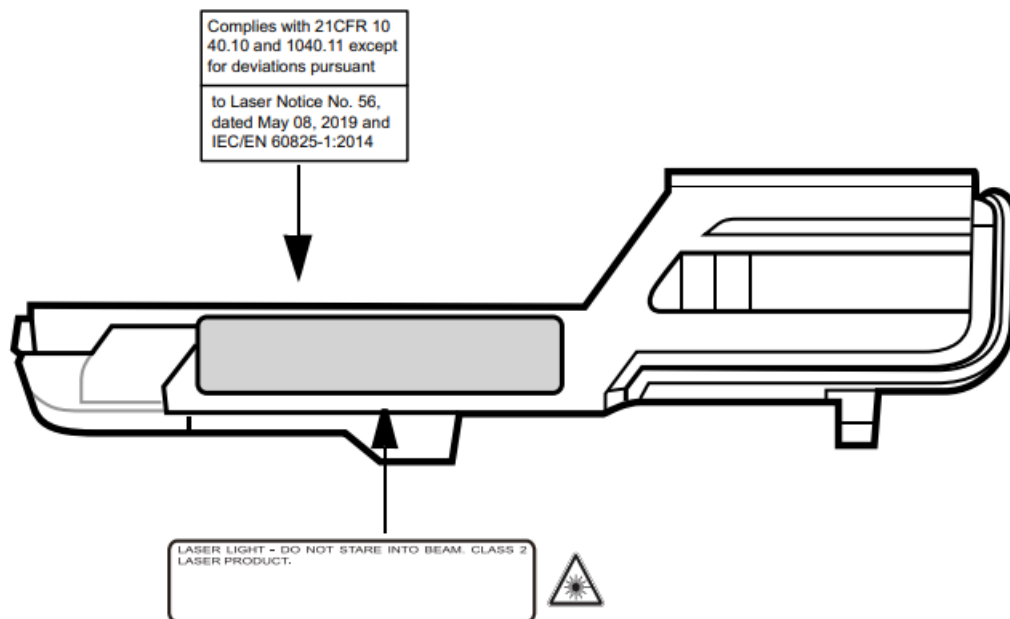


Labels read:

LASER LIGHT – DO NOT STARE INTO BEAM. CLASS 2 LASER PRODUCT.

Complies with 21CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 and IEC/EN 60825-1:2014.

SE5500



Labels read:

LASER LIGHT – DO NOT STARE INTO BEAM. CLASS 2 LASER PRODUCT. 500-570 nm 1 mW 4 mms

Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 56, DATED May 08, 2019 and IEC/EN 60825-1:2014.

LED Devices

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

- Pulse Duration of 17.7 mms for SE4770
- Pulse Duration of CW for SE5500

Battery Information



CAUTION Risk of explosion if battery is replaced by an incorrect type. Dispose of batteries according to instructions.

Use only Zebra approved batteries. Accessories which have battery charging capability are approved for use with the following battery models:

Model BT-000397 (3.7 Vdc, 480 mAh)

Model BT-000398 (3.7 Vdc, 735 mAh).

Zebra approved rechargeable battery packs are designed and constructed to the highest standards within the industry. However, there are limitations as to how long a battery can operate or be stored before needing replacement. Many factors affect the actual life cycle of a battery pack such as heat, cold, harsh environmental conditions, and severe drops.

When batteries are stored over six months, some irreversible deterioration in overall battery quality may occur. Store batteries at half of full charge in a dry, cool place, removed from the equipment to prevent loss of capacity, rusting of metallic parts, and electrolyte leakage. When storing batteries for one year or longer, the charge level should be verified at least once a year and charged to half of full charge. Replace the battery when a significant loss of run time is detected.

Standard warranty period for all Zebra batteries is one year, regardless if the battery was purchased separately or included as part of the mobile computer or bar code scanner.

For more information on Zebra batteries, please visit: www.zebra.com/batterybasics.

Battery Safety Guidelines

The area in which the units are charged should be clear of debris and combustible materials or chemicals. Particular care should be taken where the device is charged in a noncommercial environment.

- Follow battery usage, storage, and charging guidelines found in the user's guide.
- Improper battery use may result in a fire, explosion, or other hazard.
- To charge the mobile device battery, the battery and charger temperatures must be between +41 °F and +104 °F (5 °C and +40 °C)
- Do not use incompatible batteries and chargers. Use of an incompatible battery or charger may present a risk of fire, explosion, leakage, or other hazard. If you have any questions about the compatibility of a battery or a charger, contact Zebra support.
- For devices that utilize a USB port as a charging source, the device shall only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.
- Do not disassemble or open, crush, bend or deform, puncture, or shred.
- Severe impact from dropping any battery-operated device on a hard surface could cause the battery to overheat.
- Do not short circuit a battery or allow metallic or conductive objects to contact the battery terminals.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, or expose to fire, explosion, or other hazard.
- Do not leave or store the equipment in or near areas that might get very hot, such as in a parked vehicle or near a radiator or other heat source. Do not place battery into a microwave oven or dryer.
- Battery usage by children should be supervised.
- Please follow local regulations to promptly dispose of used re-chargeable batteries.
- Do not dispose of batteries in fire.
- Seek medical advice immediately if a battery has been swallowed.

- In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with large amounts of water and seek medical advice.
- If you suspect damage to your equipment or battery, contact Zebra support to arrange for inspection.

Radio Frequency Interference Requirements FCC

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.

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

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

Radio Transmitters

This device complies with Industry Canada's licenceexempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.



Marking and European Economic Area (EEA)

EU Importer / Importateur de la UE / EU-Importer /
Importatore UE / Importatore da UE / Importer UE /
Uvoznik zap EU / Importation UE
ZEBRA TECHNOLOGIES B.V.
Mercurius 12, 8448 GX, Heerenveen, Netherlands

Statement of Compliance

Zebra hereby declares that this radio equipment is in compliance with the Directives, 2014/53/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.

UK

CA Statement of Compliance

Radio enabled devices: Zebra hereby declares that this equipment is in compliance with the Radio Equipment Regulations 2017 and the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.

Any radio operation limitations within UK are identified in Appendix A of UK Declaration of Conformity.

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

UK Importer

ZEBRA TECHNOLOGIES EUROPE LIMITED

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

Korea Warning Statement for Class B ITE

This table was created to comply with China RoHS requirements.

Warranty

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



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www.zebra.com

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Documents / Resources

	ZEBRA RS5100, RSBT5 Bluetooth Wearable Scanner [pdf] Instructions RSBT5, UZ7RSBT5, UZ7RSBT5, RS5100 RSBT5 Bluetooth Wearable Scanner, RS5100, RS5100 Bluetooth Wearable Scanner, RSBT5 Bluetooth Wearable Scanner, Bluetooth Wearable Scanner, Bluetooth Scanner, Wearable Scanner, Scanner
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References

- [Launch Studio - Listing Search](#)
- [Launch Studio - Listing Search](#)
- [Zebra Technologies | Visible. Connected. Optimized.](#)
- [zebra.com/batterybasics](#)
- [Declarations of Conformity | Zebra Technologies](#)
- [RF Exposure and Assessment Standards](#)
- [Support and Downloads | Zebra](#)
- [Product Warranty Information | Zebra](#)
- [Declarations of Conformity | Zebra Technologies](#)
- [RF Exposure and Assessment Standards](#)
- [Support and Downloads | Zebra](#)
- [WEEE and EU Battery Directive FAQs | Zebra](#)