



ZEBRA RFD4030 Standard Mobile RFID Reader Instructions

[Home](#) » [ZEBRA](#) » ZEBRA RFD4030 Standard Mobile RFID Reader Instructions 



RFD4030 Regulatory Guide

Contents

- [1 Regulatory Information](#)
- [2 Regulatory Markings](#)
- [3 Health and Safety Recommendations](#)
- [4 Safety in Hospitals and Aircraft](#)
- [5 Medical Devices](#)
- [6 RF Exposure Guidelines Safety Information](#)
- [7 Power Supply](#)
- [8 Batteries and Power Packs](#)
- [9 The United States and Canada Regulatory](#)
- [10 United Kingdom](#)
- [11 Warranty](#)
- [12 Service Information](#)
- [13 Additional Information](#)
- [14 Documents / Resources](#)
 - [14.1 References](#)
- [15 Related Posts](#)

Regulatory Information

This device is approved under Zebra Technologies Corporation. This guide applies to the following model number:
RFD4030

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

For use only with Zebra approved and UL Listed mobile devices, Zebra approved, and UL Listed/Recognized battery packs.

Regulatory Markings

Regulatory markings subject to certification are applied to the device signifying the radio(s) is/are approved for use. Refer to the Declaration of Conformity (DoC) for details of other country markings. The DOC is available at: zebra.com/doc.

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.

Safety in Hospitals and Aircraft



NOTE: Wireless devices transmit radio frequency energy that may affect medical electrical equipment and aircraft's operation. Wireless devices should be switched off wherever you are requested to do so in hospitals, clinics, healthcare facilities or by airline staff. These requests are designed to prevent possible interference with sensitive equipment.

Medical Devices

It is recommended that a minimum separation distance of 20 cm (8 inches) be maintained between a wireless device and medical devices such as pacemakers, defibrillators, or other implantable devices to avoid potential interference with the medical device. Pacemaker users should keep the device at the opposite side of the pacemaker or turn OFF the device if suspected of interference.

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. The device complies with internationally recognized standards covering human exposure to electromagnetic fields. For information on international human exposure to electromagnetic fields, refer to the Zebra Declaration of Conformity (DoC) at zebra.com/doc. Use only Zebra tested and approved headsets, belt clips, holsters, and similar accessories to ensure RF exposure compliance. If applicable, follow the instructions for use as detailed in the accessory guide. The use of third-party belt clips, holsters, and similar accessories may not comply with RF exposure compliance requirements and should be avoided. For further information on the safety of RF energy from wireless devices, refer to the RF exposure and assessment standards section at zebra.com/responsibility. To satisfy RF exposure requirements, this device must be hand-use only and, where applicable used only with Zebra tested and approved accessories.

Power Supply



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

Batteries and Power Packs

This information applies to Zebra-approved batteries and power packs containing batteries.

Battery Information



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

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

- Model BT-000380 (3.6 VDC, 6600 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 a half 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 charge. Replace the battery when a significant loss of run time is detected.

- The standard warranty period for all Zebra batteries is one year, regardless if the battery was purchased separately or included as part of the host device. For more information on Zebra batteries, please [visit:zebra.com/batterydocumentation](https://visit.zebra.com/batterydocumentation) and select the Battery Best Practices link.

Battery Safety Guidelines



IMPORTANT – SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS



WARNING – When using this product basic safety precautions should always be followed, including the following: 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 non-commercial environment.

- Read all the instructions before using the product.
- Follow battery usage, storage, and charging guidelines found in the user's guide.
- Improper battery use may result in a fire, explosion, or another hazard. To charge the mobile device battery, the battery and charger temperatures must be between 0°C and +40°C (+32°F and +104°F). Do not use incompatible batteries and chargers. Use of an incompatible battery or charger may present a risk of fire, explosion, leakage, or another 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. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury. The severe impact of 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, disassemble, or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water, rain, snow, or other liquids, or expose to fire explosion, or another 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 the battery into a microwave oven or dryer. To reduce the risk of injury, close supervision is necessary when used near children. Please follow local regulations to promptly dispose of used rechargeable batteries. Do not dispose of batteries in a fire. Exposure to temperatures over 100°C (212°F) may cause an explosion. 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 an inspection.



Marking and European Economic Area (EEA)

Statement of Compliance

Zebra hereby declares that this radio equipment is in compliance with Directives 2014/53/EU and 2011/65/EU. Any radio operation limitations within EEA countries are identified in Appendix A of the EU Declaration of Conformity. The full text of the EU Declaration of Conformity is available at: zebra.com/doc.

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.

EU Importer: Zebra Technologies B.V

Address: Mercurius 12, 8448 GX Heerenveen, Netherlands

The 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.

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)

This device complies with Innovation, Science, and Economic Development Canada's license-exempt RSS. 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.

RF Exposure Requirements – FCC and ISED

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated in compliance with the FCC RF emission guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid. To ensure compliance with FCC/ISED RF exposure requirements, the user shall keep the front of the RFID Device transmitting antenna at least 21 cm away from any nearby persons.

Limb-worn Devices

To satisfy RF exposure requirements, this device must be hand-held only and, where applicable used only with Zebra tested and approved accessories.

Co-located Statement

To comply with FCC RF exposure compliance requirement, the antenna used for this transmitter must not be co-located (within 20 cm) or operating in conjunction with any other transmitter/antenna except those already approved in this filing.

Note 1: "Exceeding 0.1 wt%" and "exceeding 0.01 wt%" indicates that the percentage content of the restricted substance exceeds the reference percentage value of the present condition.

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

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

United Kingdom



Zebra hereby declares that this radio 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 the UK are identified in Appendix A of the UK Declaration of Conformity. 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.

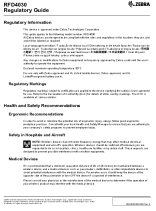
Service Information

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 RFD4030, refer to the RFD4030 product guide available at: zebra.com/support

Documents / Resources

	ZEBRA RFD4030 Standard Mobile RFID Reader [pdf] Instructions RFD4030, UZ7RFD4030, RFD4030, Standard Mobile RFID Reader
---	---

References

- [FCC ID Search | Federal Communications Commission](#)
- [Zebra Technologies | Visible. Connected. Optimized.](#)
- [Support and Downloads | Zebra](#)
- [Product Warranty Information | Zebra](#)
- [Zebra Technologies | Visible. Connected. Optimized.](#)
- [Battery Documentation](#)
- [Declarations of Conformity | Zebra Technologies](#)
- [RF Exposure and Assessment Standards](#)
- [Support and Downloads | Zebra](#)
- [WEEE and EU Battery Directive FAQs | Zebra](#)