Post in Work Area

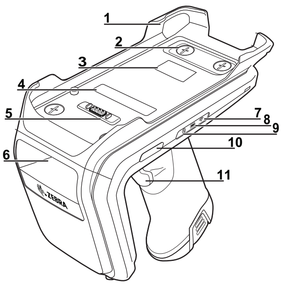
RFD4031

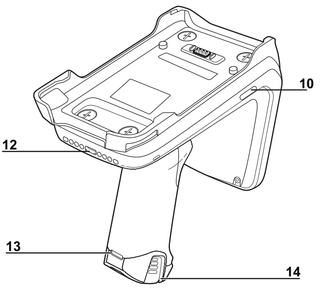
RFID Premium/ Premium Plus Sled

Quick Start Guide

See Product Reference Guide for detailed information.

FEATURES





1 Adaptor (Sold Separately)
2 Coin Screws (4)
3 Paring Barcode Label
4 Device Installation Label
5 eConnex™ Communication Port
6 Imager (Premium Plus Only)
7 Wi-Fi Status LED
8 Battery Status LED
9 Bluetooth LED
10 Decode LED
11 Tri-Function Trigger
12 Charging Contact and USB-C Port
13 Tethering Point for Handstrap
14 Rubber Foot

GETTING STARTED

The RFD4031 UHF RFID Permium sled provides RAIN Radio Frequency Identification (RFID) tag reading, writing, and locating capability to supported Zebra mobile computers.

To use the RFD4031 sled for the first time with a mobile computer:

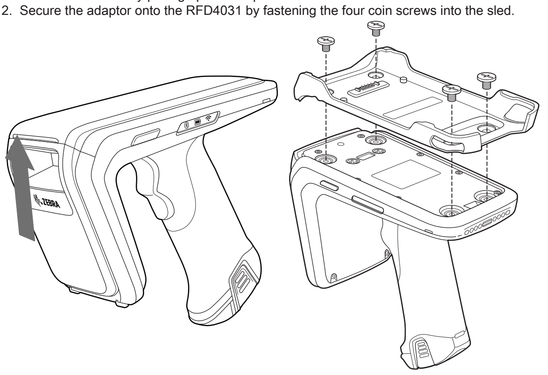
1. Insert the battery into the device.
2. Charge the RFD4031 sled in the charging cradle, charging cup, or by USB-C cable.
3. Replace the standard cover with the adaptor that is specific to the mobile computer used with the sled.
4. Place the mobile computer into the adaptor head.
5. Attach the mobile computer on the sled.
6. Set the region using 123RFID Desktop or 123RFID Mobile.

For the latest versions of guides and software, go to: zebra.com/support.

For detailed information, refer to the Product Reference Guide at: zebra.com/support.

ADAPTOR INSTALLATION

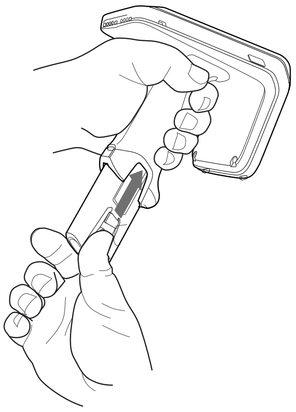
To install the adaptor,
1. Remove the cover by pulling up on the lip.
2. Secure the adaptor onto the RFD4031 by fastening the four coin screws into the sled.



BATTERY INSTALLATION

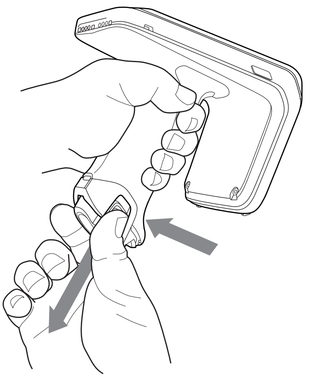
To install the battery:

1. Align the battery with the notch facing the back of the device.
2. Slide the battery into the handle of the device.
3. Snap the battery into place.



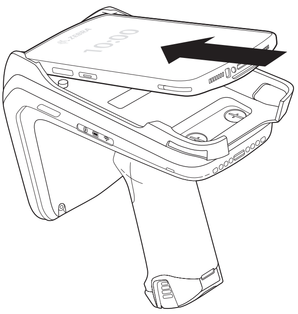
BATTERY REMOVAL

To remove the battery, pinch the clips to unlock the battery and slide downwards to release.



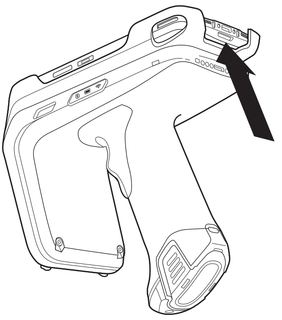
DEVICE INSERTION

Inserting the Mobile Computer into the RFD4031 Sled
To secure the mobile computer to the RFD4031 sled, place the top of the device fully forward into the RFD4031 sled adaptor and push down on the bottom of the mobile computer to secure it.



DEVICE REMOVAL

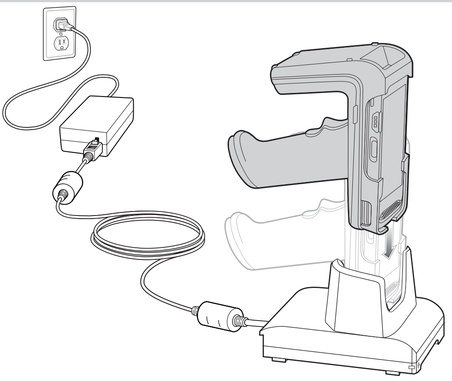
Removing the Mobile Computer from the RFD4031 Sled
To remove the mobile computer from the RFD4031 sled, firmly hold the sled handle and lift the device off of the sled adaptor.



CHARGING

Before using the RFD4031 sled for the first time, fully charge the battery by placing the sled in the charging cradle until the LED Power/Charging Indicator turns solid green or insert a fully charged battery. The RFD4031 RFID sled and mobile computer may be charged in the charging cradle individually or attached together.

When an RFD4031 RFID sled is removed from a charging cradle, it is automatically powered on. If a reader is not used for a duration of thirty minutes, the reader enters low power mode.



RFD4031

OPTIMUM TAG DECODING

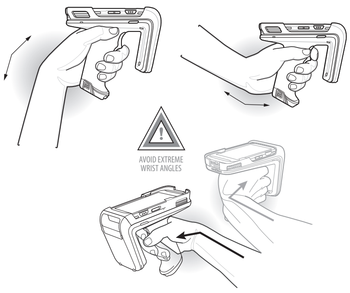
OPTIMUM BODY POSTURE

Optimum Upright Body Posture

Optimum Body Posture for Low Scanning

Optimum Body Posture for High Scanning

AVOID EXTREME WRIST ANGLES



UI INDICATIONS

Battery Status	LED Indication
Charging	Amber (Blinking)
Charge Complete	Solid Green
Charging Error	Amber (Fast Blinking)
Charging (Battery end of life)	Red (Blinking)
Charge Complete (Battery end of life)	Solid Red
Charging Error (Battery end of life)	Red (Fast Blinking)

Bluetooth Status	LED Indication
Looking to Pair	Amber (Blinking)
Pairing	Solid Green
Paired/Connected	Amber (Fast Blinking)

Wi-Fi Status	LED Indication
Connecting	Green (Blinking)
Connected	Solid Green
Transmission Error/Out of Range	Solid Red

Decode Status	LED Indication
Good Decode	Green
Scan Error	Red
RFID Tag Read Indicator Enabled	Green
Read Error	Red

Decode Status	Beeper Tone
Good Scan	Short High Tone
Decode Transmission Error	No Beep
Good RFID Decode	Short Medium Tone
RFID Error	No Beep
Error Message	No Beep
Sled Memory Full	Long Tones (5 seconds)

Battery Status	Beeper Tone
Low Battery (20%)	Medium Tones
Low Battery (10%)	Repeating Short Tones
Suspend	High/Medium/Low
Charging	Short Tone
Fully Charged	One Beep
Charging Error (Battery end of life)	Three Beeps (Once)
Power On	Low/Medium/high

Wi-Fi Status	Beeper Tone
On/Connected	Short/Low/High Beep
Connecting Error	No Beep

Bluetooth Status	Beeper Tone
On/Connected	Short/Low/High
Out of Range	Short/High/Low

REGULATORY INFORMATION

Regulatory Information

This device is approved under Zebra Technologies Corporation.
This guide applies to the following model number: RFD4031
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

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
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.

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 equipments.

Medical Devices

It is recommended that a minimum seperation distance of 20 cm (8 inches) be maintained between a wireless device and a medical devices such as pacemakers, defibrillator, 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 headset, 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 RF exposure and assessment

LED Devices

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

Pulse Duration: 22.8 ms or CW (RFD4031 with SE4100)

Power Supply

WARNING ELECTRICAL SHOCK: Use only a Zebra approved, Certified ITE LPS power supply with appropriate electrical ratings. 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 battery is replaced by an incorrect type. Dispose of batteries according to instructions.

Use only Zebra approved batteries. Accessories which have charging capability are approved for use with the following battery models:
• Battery Part Number BT-000380 (3.6 Vdc, 7000 mAh)
Zebra approved rechargable battery packs are designed and constructed to the highest standards within the industry.
However, to how long a battery pack 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 battery packs 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 pack when a significant loss of run time is detected.
Standard warranty period for all Zebra batteries is 1 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 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 other hazard.
To charge the mobile device battery, the battery and charger temperatures must be between +32°F and +104°F (0°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, disasmble 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.
To reduce the risk of injury, close supervision is necessary when used near children.
Please follow local regulations to promptly dispose of used re-chargeable batteries.
Do not dispose of batteries in fire. Exposure to temperatures over 100ºC (212ºF) may cause 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 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 EU Declaration of Conformity.
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.

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 licence-exempt 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.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radio électrique subi même si le brouillage est susceptible d'en compromettre le fonctionnement.

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 fcc.gov/oet/ea/fccid.

To ensure compliance with FCC/ISED RF exposure requirement, the user shall keep the front of the RFID Device transmitting antenna at least 21 cm away from any nearby persons.

Pour assurer la conformité avec l'exigence d'exposition aux radiofréquences USED, l'utilisateur doit garder l'avant de l'antenne d'émission du dispositif RFID à au moins 21 cm de toute personne à proximité.

Limb-Worn Devices
To satisfy RF exposure requirements, this device must be hand-held only and, where applicable use 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 or antenna except those already approved in this filing.

Brasil

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Este produto está homologado pela Anatel de acordo com os procedimentos regulamentados para avaliação da conformidade de produtos para telecomunicações e atende aos requisitos técnicos aplicáveis, incluindo os limites de exposição da Taxa de Absorção Especifica referente a campos elétricos, magnéticos e eletromagnéticos de radiofrequência.

Este dispositivo está em conformidade com as diretrizes de exposição à radiofrequência quando posicionado a pelo menos 1,5 centímetros de distância do corpo.

Valor máximo de SAR medido: 0,529 W/kg.

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 (15)					
	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)	O	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SJ/T 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
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。）

限用物質含有情況標示聲明書

單元	設備名稱			型號（型式）		
	限用物質及其化學符號					
	鉛	汞	鎘	六價鉻	多溴聯苯	多溴二苯醚
印刷電路板_及電子	_	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

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.

Евразийский Таможенный Союз (EAC)

Данный продукт соответствует требованиям знака EAC.

EAC

France

Cet appareil a été testé et déclaré conforme aux limites applicables d'exposition aux radiofréquences (RF). Le débit d'absorption spécifique (DAS) local quantifie l'exposition de l'utilisateur aux ondes électromagnétiques de l'équipement concerné. Les valeurs SAR les plus élevées sont disponibles sur la déclaration de conformité (DoC) disponible sur: zebra.com/doc

Singapore

End-users are required to obtain a site licence from the Infocomm Media Development Authority ("IMDA") to operate RFID equipment in Singapore such as Zebra fixed and mobile RFID readers. For further information on this licensing requirement and the application process, end-users may contact IMDA (Tel: 6211 0647).

Paraguay

En Paraguay este equipo deberá ser configurado para operar con las limitaciones establecidas en la Norma Técnica NTC-RF-918:2020 de la CONATEL.

Japan

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Li-ion

臺灣

低功率電波輻射性電機管理辦法

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

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

「廢電池請回收」

行政院環保署 (EPA)要求乾電池製造或進口商，需依廢棄物清理法第 15 條之規定，於販售、贈送或促銷的電池上標示回收標誌。請聯絡合格的台灣回收廠商，以正確棄置電池

TÜRK WEEE Uyumluluk Beyanı

EEE Yönetmeliğine Uygundur.

ประเทศไทย

เครื่ องไร้สายนี้ผ่านมาตรฐานกสท.
เครื่ องวิทยุคมนาคมนี้ ผ่ใช้ความาารตุลคลื่นพลังงานเข้า เพาะ (Specific Absorption Rate – SAR) อันเนื่ อง มาจากเครื่ องวิทยุคมนาคมเทากับ
ซึ่งสอดคล้องตามมาตรฐานความปลอดภัยต่อสุขภาพของมนุษย์จากการใช้ประโยชน์ทางวิทยุคมนาคมที่คณะกรรมการกิจการโทรคมนาคมแห่งชาติประกาศกำ หนด
เครื่ องวิทยุคมนาคมนี้ มีระดับการแผ่คลื่ นแม่เหล็กไฟฟ้าสอดคล้องตามมาตรฐานความปลอดภัยต่อสุขภาพของมนุษย์จากการใช้ประโยชน์ ของวิทยุคมนาคมที่ คณะกรรมการกิจการโทรคมนาคมแหงชาติประกาศกำหนด

United Kingdom

Statement of Compliance
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 UK are identified in Appendix A of 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/rfd40.

ZEBRA

Zebra Technologies Corporation
Lincolnshire, IL U.S.A.
zebra.com

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RFD4031