

# **RFD4031**

## RFID Premium Sled

## **Quick Start Guide**



**ZEBRA**

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# Getting Started

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

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 using the charging cradle, charging cup, or USB-C cable.
3. Replace the standard cover with the adaptor that is specific to the mobile computer to be used with the sled.
4. Place the mobile computer into the adaptor headfirst.
5. Secure the mobile computer into the adaptor by pressing down on the bottom of the mobile computer.
6. Set the region using 123RFID Desktop or 123RFID Mobile.

For the latest versions of guides and software, go to: [zebra.com/support](http://zebra.com/support).

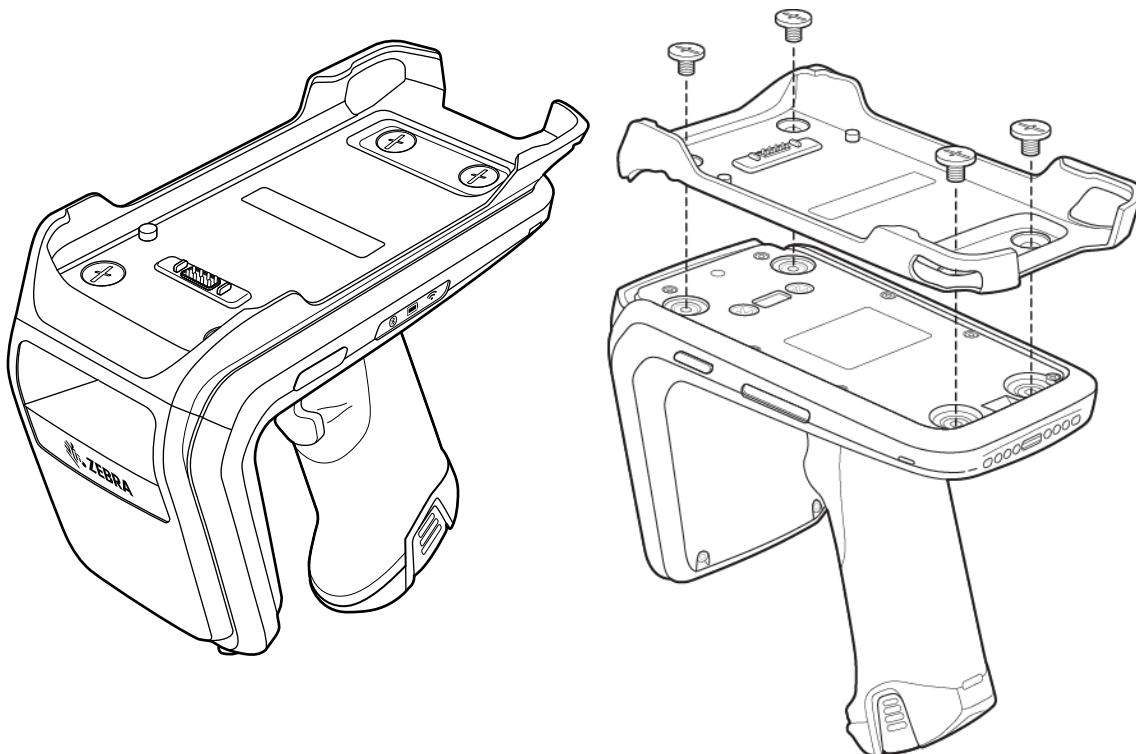
For detailed information, refer to the Product Reference Guide at: [zebra.com/support](http://zebra.com/support).

## Adaptor Installation

To install the adaptor,

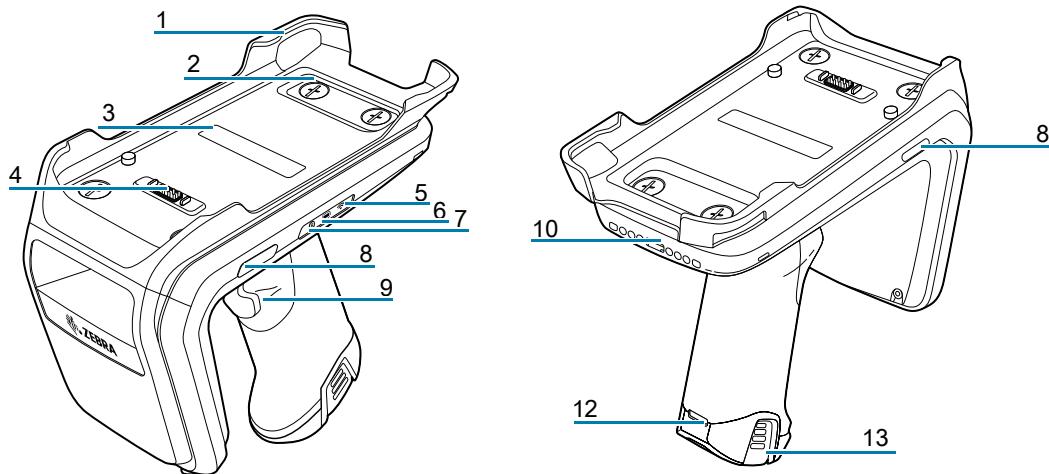
1. Remove the cover by pulling up on the lip.
2. Secure the adaptor onto the RFD4031 by fastening the four coin screws into the sled.

**Figure 1** Adaptor Installation



## RFD4031 RFID Standard Sled Features

**Figure 2** RFD4031 RFID Standard Sled Features



1	Adaptor (Sold Separately)
2	Coin Screws (4)
3	Adaptor Label
4	eConnex™ Communication Port
5	WiFi Status LED
6	Battery Status LED
7	Bluetooth LED
8	Decode LED
9	Tri-Function Trigger
10	Charging Contact and USB-C Port
11	Tethering Point for Handstrap
12	Rubber Foot

# Device Installation

## Installing the Mobile Computer into the RFD4031 Sled

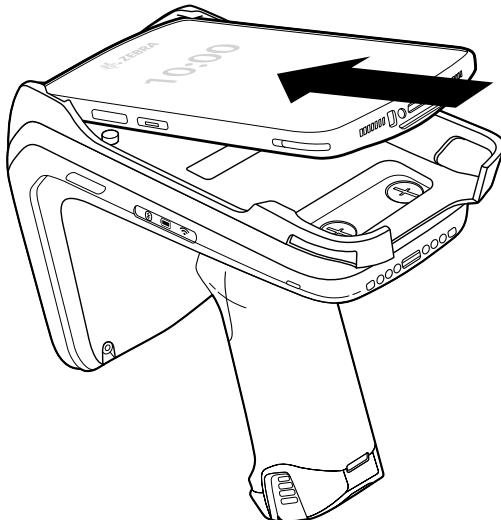
To secure the mobile computer to the RFD4031 sled, place the top of the device fully forward into the RFD4031 sled adaptor and push down on the bottom of the mobile computer.



**NOTE** Depending on the mobile computer being used with the sled, the mobile computer may be inserted into the adaptor tail-end first.

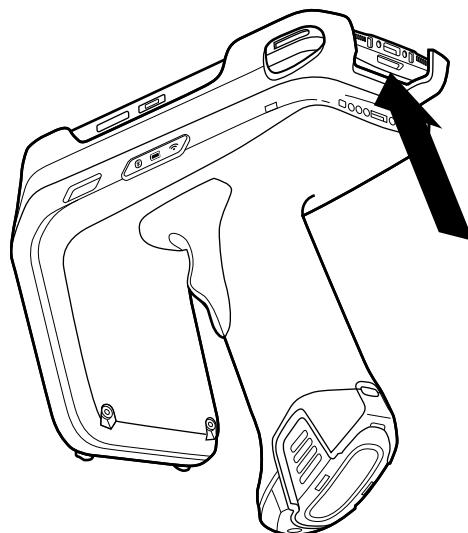


**NOTE** While installing the mobile computer into the adaptor, use caution and do not collide the eConnex™ Communication Port on the RFD4031.



## 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.



# UI Indicators

The RFD4031 RFID Premium sled presents multiple modalities to inform the user of various device states. The sled provides LED definitions for decode and battery status as well as beeper indications to indicate battery charge progress. The trigger on the device is also capable of carrying out various programmable tasks.

## Decode LED Definitions



**NOTE:** The LED indicators on the RFD4031 RFID Standard sled will differ from the LED indicators on the mobile computer being used with the sled.

**Table 1** RFD40 RFID Premium Sled Decode LED Indications

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

## Battery LED Definitions

**Table 2** RFD40 RFID Premium Sled LED Definitions While Charging

Condition	Indication
Pre-charging	Amber (Fast, Fast, Slow)
Charging	Amber (Blinking)
Fully Charged	Green (Stays On)
Charging Error	Amber (Fast Blinking)
Firmware Update in Progress	Amber-Blinking

## Battery Beeper Indications

**Table 3** RFD40 RFID Premium Sled Battery Beeper Indications

Condition	Tone
Low Battery (20%)	Medium-length tones
Lower Battery (10%)	Short tones - repeat
Suspend	High/Medium/Low
Charging	Short tone when the charger is connected.
Fully Charged	One Beep
Charging Error	Three Beeps (single occurrence)
Power On	Low/Medium/High Beep

## Trigger Modes



**NOTE:** By default, the device assumes the upper trigger as the RFID decode trigger and the lower trigger as the mobile computer decode trigger.

**Table 4** RFD40 RFID Premium Sled Default Trigger Functions

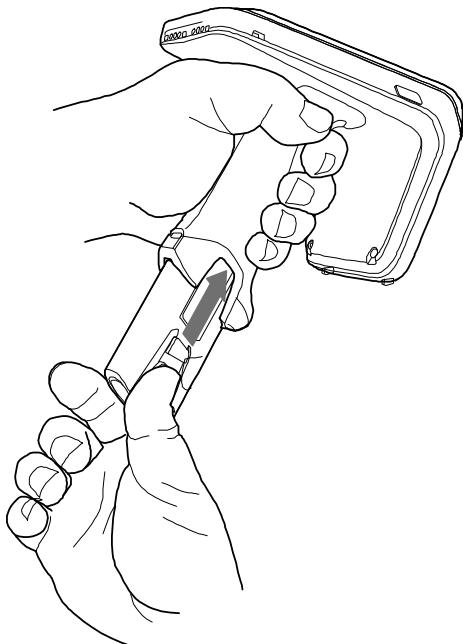
Condition	Upper Trigger	Lower Trigger	Both	Description
RFID Start/Stop	X	-	-	User Programmable.
Barcode Start/Stop	-	X	-	User Programmable.
Start Bootloader Recovery	-	X	-	Press and hold the lower trigger for five seconds while inserting the battery.
Configurable/Signal Intent to Mobile Device	-	-	X	Feature support is determined by the mobile computer being used with the device.

# RFID Sled Battery Replacement

## Battery Installation

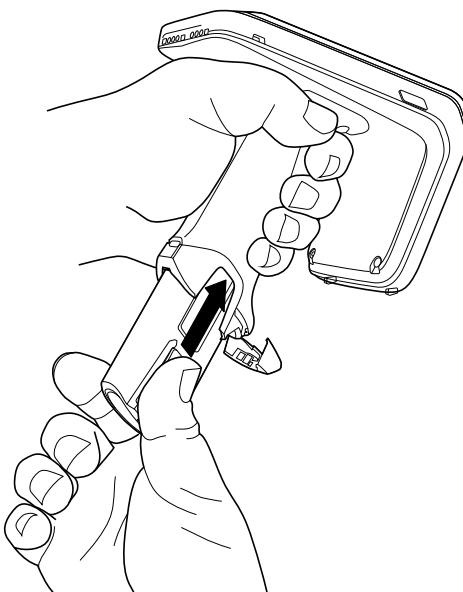
To install the battery:

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.

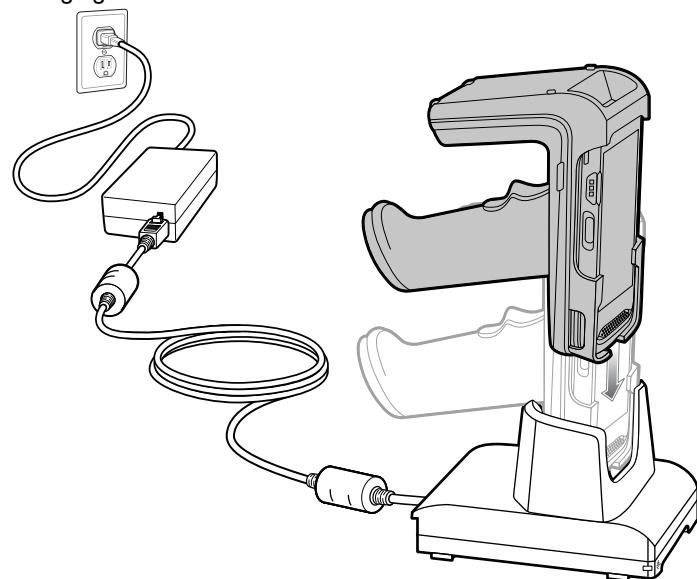


## Charging

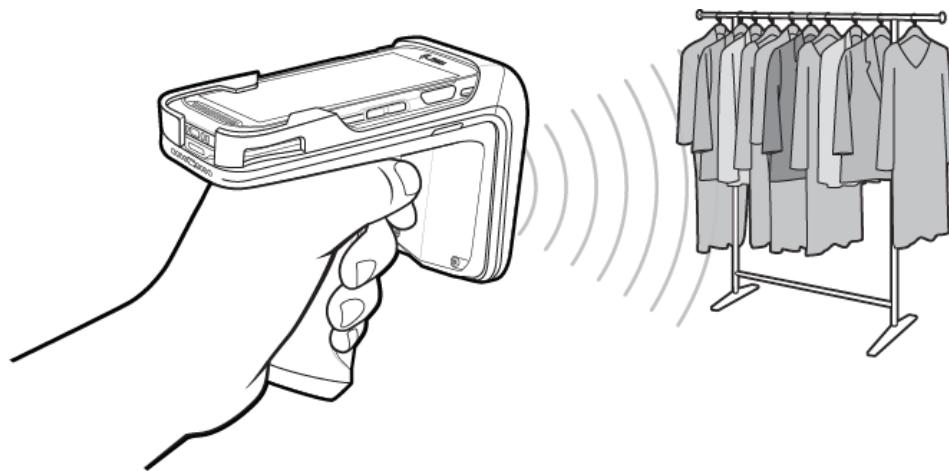
Before using the RFD4031 for the first time, fully charge the battery by placing it in the charging cradle until the LED Power/Charging Indicator turns solid green. The RFD40 RFID sled and mobile computer may be charged in the charging cradle individually or attached together.

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 Off mode.

**Figure 3** Single-Slot Charging Cradle



## Optimum Tag Decoding



## Ergonomic Best Practices



**NOTE** Taking breaks and task rotation is recommended.

Optimum Upright Body Posture



Optimum Body Posture for Low Scanning

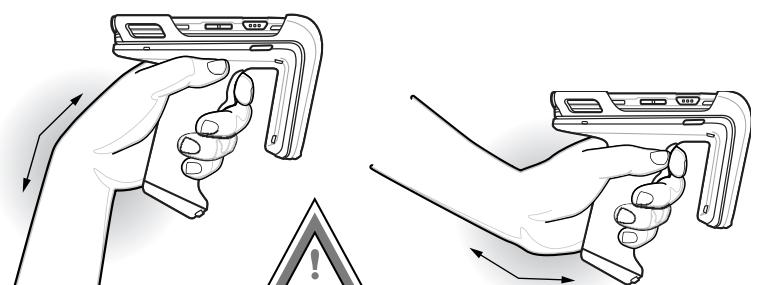
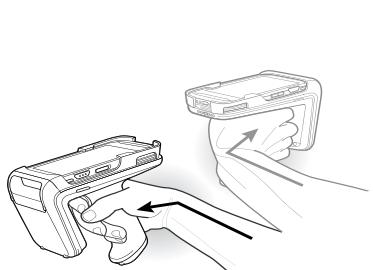


## Optimum Body Posture for High Scanning

Use a Ladder



## Avoid Extreme Wrist Angles



AVOID EXTREME  
WRIST ANGLES

