



ZEBRA RFID MOBILE APP & SATO PRINTER GRAPHICAL USER INTERFACE

Installation and Usage Guide

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1. Zebra RFID Mobile App

Zebra RFID Mobile App aims to help speed up the process of asset tracking by providing real-time information on tag detection status and the RSSI (Received Signal Strength Indicator) of the tag. Users can input a unique work ID, and the app generates an encoded string that serves as an identifier for the tags. Overall, this facilitates quick and accurate identification of assets, streamlining the overall asset tracking process.

1.1. Zebra RFID Mobile App Installation

1.1.1. Installation Requirements

1.1.1.1. Supported Operating Systems:

- Android 10 and later for RFD40XX

1.1.2. Download

- Download the app-release-apk file under app/release folder.
- Locate the apk file in the Files app on your device.
- Launch the apk file and follow these steps:
 - Allow installations from unknown sources in your device settings.
 - Press Install once installation prompt appears.



1.2. Zebra RFID Mobile App Usage Guide

1.2.1. Features

1.2.1.1. Locate a Tag

1. Insert a work id into the work id text box. (Figure 1.a.)
2. Click on 'FIND' button. (Figure 1.a.)
3. Press on the handheld trigger (Figure 2) to initiate the scan.
4. Once a tag that contains the work id is detected, the RSSI (Received Signal Strength Indicator) will appear on the screen.
5. If not detected in the vicinity, a red cross icon will show and a "Tag not detected" message will appear. (Figure 1.b)

RFID



RFID Status: Connected: RFD4030-G00B700-WR

ENTER TAG TO LOCATE

Work Order ID:

FIND

RSSI TO TAG ID:



D3546BCCE42D310C6E5F5C4310380055

Tag Found

52.3

Figure 1.a. Main Page

RFID



RFID Status: Connected: RFD4030-G00B700-WR

ENTER TAG TO LOCATE

Work Order ID:

FIND

RSSI TO TAG ID:

D3546BCCE42D310C6E5F5C4310380055

Tag not detected! Please adjust direction or move




Figure 1.b. Main Page when tag not detected



Figure 2: Handheld trigger of the RFD40 sensor

1.2.1.2. [View History](#)

1. Click on the history icon on the top navigation bar. (Figure 3)

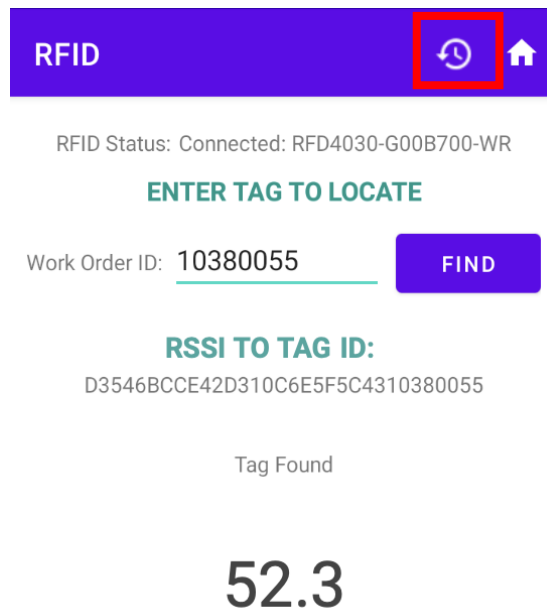


Figure 3. Top navigation bar of main page

1.2.1.3. Clear History

1. Click on the history icon on the top navigation bar. (Figure 3)
2. Click on “Clear History” button to clear data.(Figure 4)

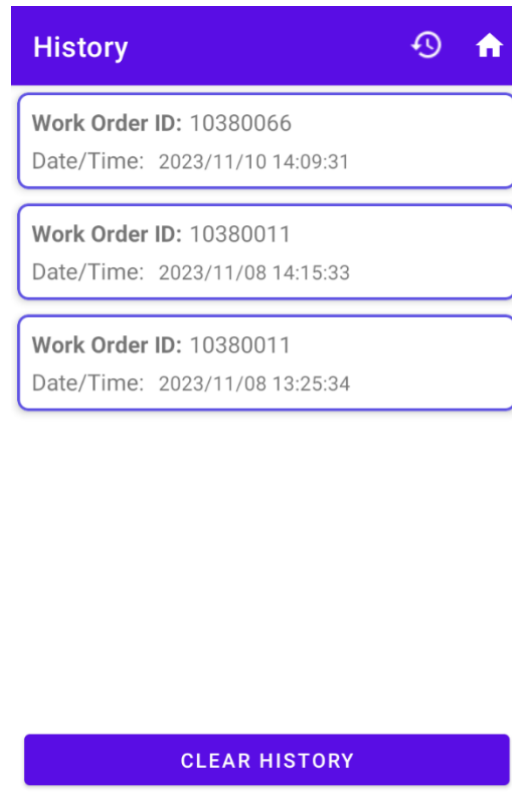


Figure 4. History Page

1.2.2. Troubleshooting

- 1.2.2.1. *Reader connected, but scan not working (i.e. Decode LED not emitting green light)*



Figure 5: Zebra RFD40 Scanner Decode LED

- Check the battery status of the RFID scanner by checking the battery status LED.
 - Green indicates sufficient battery.
 - Orange indicates a moderate amount of battery.
 - Red indicates low battery.
 - Blank indicates no battery.



Figure 6: Zebra RFD40 Scanner Battery Status LED

- When the battery is green, but it is still not working.
 - Solution 1: Exit the application and re-enter.
 - Solution 2: Reinsert the battery of the sensor.

2. SATO Printer Graphical User Interface

SATO Printer Graphical User Interface helps to streamline the asset tracking process by allowing users to input a work ID, print and write the encoded string into the tag. This feature eliminates the need to know its unique tag ID, improving the efficiency of the process. By simplifying the identification process, the SATO Printer GUI contributes to an expedited asset tracking experience.

2.1. SATO Printer Graphical User Interface Installation

2.1.1. Installation Requirements

2.1.1.1. Supported Operating Systems:

- Windows 7
- Windows 8 and 8.1
- Windows 10

2.1.2. Download

- Launch the SATONETGUISetup.msi file under SATONETGUISetup/Release folder to initiate the installation process.
- Press “Install” once installation prompt appears.

2.2. SATO Printer Graphical User Interface Usage Guide

2.2.1. Features

2.2.1.1. Printing RFID Tag

1. Ensure that the SATO Printer USB cable is connected to the computer.
2. Insert the work id into the work id textbox and press the enter key on the keyboard.

2.2.1.2. Clear Work ID Insert text field

1. Click on the “Clear” button to clear the text on the work id text input field.

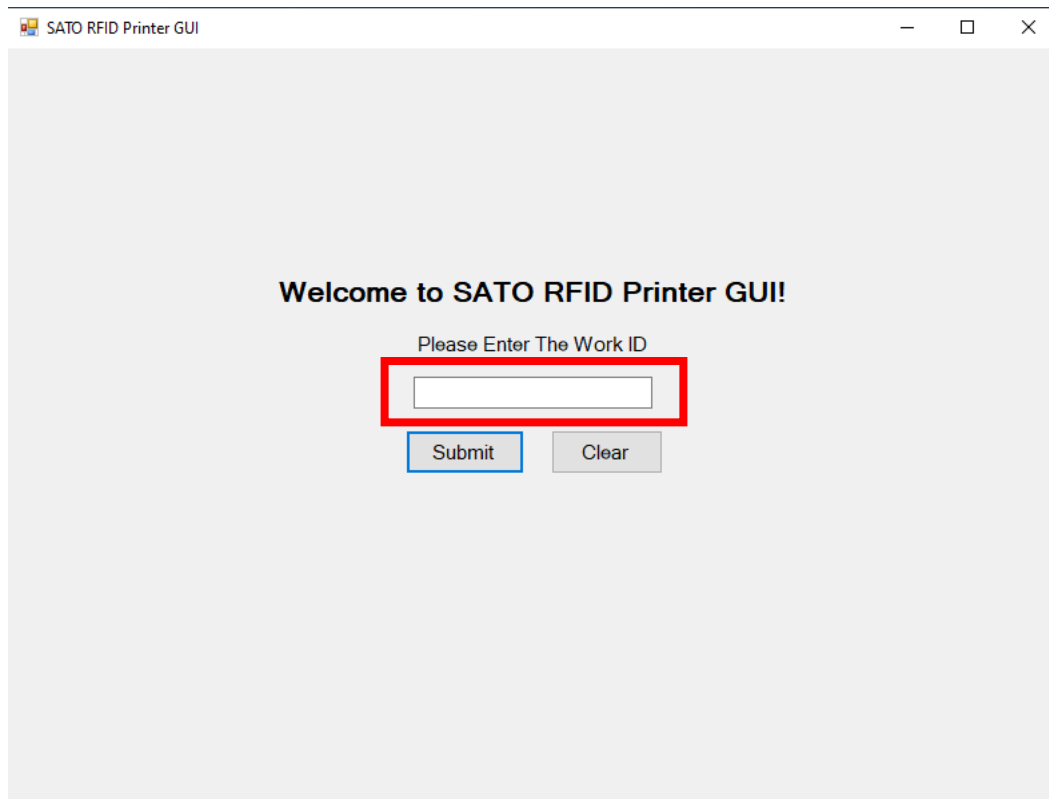


Figure 7. SATO Printer GUI

3. References

atlasRFIDstore. *Zebra RFD40 Standard UHF RFID Sled*, cdn11.bigcommerce.com/s-ka7ofex/images/stencil/1280x1280/products/3570/15125/Zebra_RFD40_Standard_UHF_RFID_Sled__21363.1625969937.jpg?c=2.

The Barcode Warehouse Limited. *Zebra RFD40 UHF RFID Standard Sled*, www.thebarcodewarehouse.co.uk/Images/Product/Alternative/xlarge/RFD40-image2.jpg.

Mobility Now. *RFID Zebra RFD40 Sled*, rfidnation.com/774-large_default/rfid-zebra-rfd40-sled.jpg.