

123RFID Mobile Application for Android

This document summarizes the 123RFID Mobile Application for Android 1.0.2.82 release:

Application Release Number	Release Date	See page
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123RFID Mobile V1.0.2.82

RELEASE DATE: 28-Feb-2022

The Zebra 123RFID Mobile application demonstrates the performance, functionality, and versatility of the RFD8500 / MC3300R / RFD40

Functionality:

1. Inventory – A quick snapshot of the scanned RFID tags and the ability to search a tag from the list.
2. Rapid Read – A simple screen to quickly get unique and total tag counts.
3. Locate Tag - Use the Locate Tag feature to find and locate an item by searching for a specific Tag ID. The device will provide feedback that indicates the relative distance to the tagged item.
4. Multi Tag Locate– Use the multi tag locate to locate multiple tags of interest that have been imported from a csv file. The device will show the relative distance of the tagged items.
5. Filter – Select/deselect a tag based on pattern criteria.
6. Access - manipulate standard tag memory locations.
7. Settings – Configure the reader to meet your needs.
 - a. Canned profile support for varying usage scenario
 - b. Configure the RFID Antenna power and link profile.
 - c. Time the Start/Stop Trigger
 - d. Control the audible beep volume
 - e. Configure reader to report only unique tags
8. Use the Power Management settings to optimize battery usage
9. Battery level notifications

10. TAG list match mode support – import tag data using csv file named 'taglist.csv'
11. Export RFID data to a PC

Feature Additions in release V1.0.2.82

1. Support for RFD40 Premium and Premium Plus devices
2. Support for Key remapping for RFD40 Premium and Premium Plus
3. Ability to showcase use of both RFID and Scanner on RFD40 Premium Plus

Feature Additions in release V1.0.1.58

1. Refreshed UI and easy navigation
2. Device discovery across all transport types and providing information's on
 - a. Reader Details
 - b. Show device serial numbers
3. BT Pairing through NFC
4. Scan to pairing support.
5. Barcode read support
6. Scanner configuration
7. Reader list to choose from to connect
8. Factory reset feature supported for RFD40
9. Trigger configuration support for RFD40
10. User can select multiple tags from the inventory and page and start multiTag locate
11. Firmware update feature supported for RFD40
12. Support Common IO connectivity for RFD40
13. Support importing offline configuration package consisting of config and firmware
14. Added support for Radio and device logging
15. File share support

Device Compatibility

- MC33xR (Android Q and above)
- RFD8500
- RFD40
- RFD40 Premium
- RFD40 Premium Plus

Note: RFD8500 has been validated with TC56 (Android Oreo), TC72 (Android Pie), TC52 (Android 10), MC3300x (Android Oreo & Android 10) , Android 10 Commercial Phones.

Components

The zip file contains the following components:

- 123RFID Mobile Application APK file and source code
- Android Studio project

Installation

Supported operating systems:

- Android Oreo 8.0 and later for RFD8500
- Android Oreo 8.0 and later for MC330xR, RFD40, RFD40 Premium and Premium plus

Developer system requirements:

- Developer Computers: Windows 7/64-bit
- Android: Android Studio (2.3 or later), and Android API Level 26 or later

Known issues

Note: Following issues will be addressed in next release of application