Release Notes for v1.0.1.114

Released 01 Mar 2023

Contents

Introduction

This release notes are for the Zebra RFID Xamarin Demo Application v1.0.1.114

Description

The Zebra RFID Xamarin Demo application demonstrates the use case of using the Xamarin to work with rfid readers.

v1.0.1.114 updates

• A13 Compatibility changes

v1.0.1.110 updates

• Integrate latest SDK version release

v1.0.1.100 updates

• New Keymapping support for RFD40/RFD90

Initial release

- Inventory Do inventory using Trigger
- Access Perform read/write and lock operation on selected tag
- Locate Search particular tag using Locate API
- Relative Distance Based RSSI show heatmap for all the tags
- Reader List access available readers
- Firmware update
- Scan barcode data

Device Compatibility

- MC33xR (Android 10 and Android 11)
- RFD8500
- RFD40
- RFD40 Premium
- RFD40 Premium Plus
- RFD90

Note: RFD8500 has been validated with TC51 (Android 8), TC72 (Android 8), TC52AX (Android 10, Android 11), MC33xR (Android 10 & Android 11), TC26 (Android 10, Android 11) and Commercial Phones (Android 10, Android 11, Android 12, Android 13).

Release Notes

ZebraRFIDXamarinDemo

Components

The zip file contains the following components:

- Zebra RFID Xamarin Demo APK file
- Zebra RFID Xamarin Demo Visual Studio project source code

Installation

Supported operating systems:

Visual Studio 2019

Developer system requirements:

- Developer Computers: Windows 10 64-bit
- Xamarin

Notes

- 1. Exit the RFID Demo application or other user application which can be using reader
- 2. Reader region is already set as per regulatory requirements

Application usage and Screens brief

1. From home screen using application icon launch the application, home screen is shown on next page



ltem inve	entory
Used for Performs	Item count or stock count s inventory operation
Item con	nmission
Used for Performs memory	item commissioning read, write or lock operation on tag bank
ltem sea	rch
Used for Performs	locate the intersted item s tag locatinging operation
Relative I	Distance
Shows th	ne relative proximity of multiple tags

2. Tap on Item Inventory to open inventory screen. It shows reader connection status and press gun trigger to start the inventory. When reader reads the tags tag list get populated with tags EPC ID, RSSI and count values Tag Any tag ID to select it. Selected tag ID will be shown on commissioning and search screen.

N		📋 9:41 AM	N		9	9:41 AM	N		9	:41 AM
÷	Item inventory		÷	Item inventory			÷	Item inventory		
UNIQUE	TOTAL	TIME	UNIQUE	TOTAL		TIME	UNIQUE	TOTAL		TIME
			28	29	00	:00:02	28	29	00	:00:02
ID	F	RSSI COUNT	ID		RSSI	COUNT	ID		RSSI	COUNT
			303000/	A46007EB0000123579	-52	1	3030004	46007EB0000123579	-52	1
			2F22034	447334C3100002EDE9	-47	1	2F22034	47334C3100002EDE9	-47	1
			2F22034	449999111199991111	-46	1	2F22034	49999111199991111	-46	1
		Reader: Connected		DDDECABEDDDECABEDD	-58	1	FFFFBE	DDECABEDDDECABEDD	-58	1
	Reader: Connected			79991200992040431A	-60	1	E200517	9991200992040431A	-60	1
Pres	ss and hold the trigger for tac			A46007EB0000123578	-46	1	3030004	46007EB0000123578	-46	1
		5	0000000	0000000000000002D0	-58	1	0000000	0000000000000002D0	-58	1
			303000/	A46007EB000012357F	-61	1	3030004	46007EB000012357F	-61	1
			2F22034	447334C3100002EA55	-44	1	2F22034	47334C3100002EA55	-44	1
			1111222	2233334444555556666	-53	1	1111222	233334444555556666	-53	1
			3030403	35A880C80000000001	-60	2	3030403	5A880C80000000001	-60	2
	⊲ 0			⊲ 0				0		

3. Tap on Item commission from Home screen to perform access operations like read/write and lock on selected tag ID in inventory screen.



4. Tap on Item search from Home screen to perform item search/locate operation on selected tag id. Press gun trigger to start locate operation for particular tag, release to stop.



5. Tap on Relative distance to see varying relative distance of tags in field of view based on their RSSI as detected by reader. It is based on color heat map where blue (cold) to red (hot) for far to near tag respectively.

N 9:42 AM	N 🔒 95	43 AM
← Relative Distance	← Relative Distance	
	AD99160040B403932500002C	
	252202447224021000025050	20
	2F220344733463100002EDE9	50
	8DF0000000000000812924	00
		28
	30304035A880C800001236B8	
Reader: Connected	2F2203447334C3100002EA55	34
Press and hold the trigger for tag reading		84
	30344035A880C80000123F71	
	202000446007550000122575	34
	303000A46007EB000012337F	26
	BEDDDEAD112233445566CED0	20
		40
	E200517999120099236023B1	
		50

6. Tap on Reader List on Home screen to see available and connected reader

N		9:44 AM			
÷	Readers List				
Avialable Readers					
MC3300	R181915230D5005				
Serial :	181915230D5005				
Model :	MC33XR-1000100-EU				
	0				

6. Select Firmware Update for firmware update

Copy file to /sdcard/Download/ZebraFirmware to list the firmware file

TC26 💩 🛤 🗛 🖸 🌩	_ 🗆 ×
5:51 PM 🛈 🔺	• 🛛 🕫 🕯
← Firmware Update	
Connected Device:	
RFD9091-G30G700-E8::EA	
FWVersion: CAAFKS00-002-R03	
Select a File:	
SAAFKS00-002-R02E0.DAT	
SAAFKS00-002-R03E0.DAT	
UPDATE FIRMWARE	
Firmware Update Progress	
Copy .DAT file into /sdcard/Download/Zeb	raFirmware
and then start update	
< ● I	

Note: Make sure app has been provided with Allow management of all files permission



6. Select Barcode scanner to scan barcode data



7. New Key Remapping support

12:13 AM 🛈 🛦 📫					
← Trigger Key Mapping					
Upper Trigger:	Sled Scanner				
Lower Trigger:	RFID				
	APPLY				
•	• 1				