Release Notes

Scanner SDK for Android v2.5

January 2020

Contents

Overview

The Zebra Scanner SDK for Android enables cordless scanners to be connected and controlled by a tablet / smart phone without using a cradle, after pairing over Bluetooth. Scanning a pairing barcode appeared in tablet/smart phone display will make the device paired and connoted with the application. Furthermore, it supports controlling USB scanner connected to tablet / smart phone.

Functionality,

1. Display bar code data within a tablet / phone application.
2. Apps using the SDK can command and control the scanner.
   a. LED and Beeper Control.
   b. Aim Control.
   c. Enable/disable Symbologies.
   d. Scanning control
      i. Remote scanner trigger (i.e. Host app initiated triggering).
      ii. Enable/disable scanning.
   e. Event notification.

    i. Scanner available / unavailable.

    ii. Scanner connected / disconnected from host.

    iii. Bar code data transmission (i.e. host gets event stating bar code has been scanned).

   f. Automatic reconnection to last connected scanner (i.e. scanner goes out range and then returns).

   g. Enable/Disable the pager vibrating motor.

3. Device Configuration (Get, Set and Store Scanner attributes).

4. Asset Tracking.

   a. Model number

   b. Serial number

   c. Date of manufacture

   d. Firmware

5. Get Pairing barcode

6. Update scanner firmware

The SDK also includes source code for the "Scanner Control" app available from the Google Play store (https://play.google.com/store/apps/details?id=com.zebra.scannercontrol.app).

For the latest SDK updates, please visit Zebra Scanner SDK

For support, please visit http://www.zebra.com/support.

Device Compatibility

For the compatible devices list, please visit following page.

https://www.zebra.com/us/en/support-downloads/software/developer-tools/scanner-sdk-for-android.html

Version History

Version 2.5.1 – 01/2020

1. Scanner Control App (SCA) – Added image and video tab for scanners.

Version 2.4.10 – 10/2019

1. Added Android 10 support.

2. Added AndroidX library structure support.

3. Improved device discovery, which improved thread management.

Version 2.4.7 – 08/2019

1. Bug fix – Fixed an issue in SDK, a crash with unclosed threads.

Version 2.4.6 – 06/2019

1. Bug fix – Fixed an issue with writing a RFID tag (send the correct RMD packet, and correct data type for RFID tag reads).

Version 2.4.5 – 04/2019

1. Scanner Control App (SCA) - Added scale support on DataView tab for MP class scanners.

Version 2.4.2 – 10/2018

1. More stable and fast Video capture over SNAPI communication protocol.
2. Android 9 "Pie" support.

Version 2.4.1 – 08/2018

1. Added support for Image capture, Video capture and Intelligent Document Capture (IDC) over USB cable using SNAPI communication protocol.
2. Bug fix – Bluetooth (LE) Low Energy communication now more reliable and faster (i.e. firmware update is faster).

Version 2.3.2 – 05/2018

1. Fixed critical security vulnerability reported by Android bug.

Version 2.3.1 – 04/2018

1. Optimized text of enter Bluetooth MAC address screen.
2. Optimized pair barcode presentation when shown on tablet in landscape mode.

Version 2.2.0 – 01/2018

1. Image Capture support.
2. Scan Speed Analytics in Scanner Control application.

Version 2.1.0 – 07/2017

1. Bluetooth LE support.
2. Cascaded device support.

Version 2.0.8 – 01/2017

1. Android 7.x support.
2. DS8178 and DS2278 support.

Version 2.0.4 – 09/2016

1. Firmware update support.
2. New Scanner Control application.

Version 1.1.0 – 06/2016

1. ScanToConnect paring barcode support.
2. USB SNAPI scanner support.

Version 1.0.0 – 10/2015

1. Initial SDK release.

Components

The SDK ZIP file contains the following components:

- Android Studio project includes Scanner Control App code.
- Scanner Control App (APK file).
- AAR SDK library.
- SDK JavaDoc HTML.

Installation

Supported operating systems:

- Android 4.4 ,5.x,6.x,7.x,8.x, 9.x and 10