

# Release Notes Zebra RFID Host Java SDK for Windows FX Series Host programming

This document summarizes the following firmware releases:

Release Number	Release Date	See page
Zebra-RFID-FXSeries-Host-Java-SDK_V15	06-May-2020	Page 1

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## Zebra RFID Host Java SDK for Windows V1.5

### RELEASE DATE: 06-May-2020

This is the release of the Zebra RFID Host Java SDK for the FX Series RFID readers. Java SDK for RFID provides a set of tools necessary to develop Java Applications for RFID reader devices from Zebra.

These tools include class library, sample application and associated documentation. Java SDK for RFID allows Java developers to programmatically access or control the RFID reader functionality. The Java application can be developed to run on the PC.

### Sample Application (J\_RFIDHostSample1)

The host-based sample application runs on the Desk top PC to connect Zebra RFID Reader based on the IP/Host Name. This app demonstrates the complete functionality using Java RFID API3 class library (Symbol.RFID.API3.jar)

- Access the Reader Connect dialog from Reader->Connection Menu
- To connect FX Series Reader, provide the respective IP address and port number (default: 5084).

This app helps to demonstrate the following functions of RFID Reader:

- Secure connection
- Gets the Reader capabilities
- Reader configuration
- Operation (Inventory & Access Operation Read, write, lock, kill, block erase and block write)
- Filters (Pre-Filter, Post Filter and Access Filter)
- Triggers (Start and Stop Condition)

### Release summary

- Added support for Gen2 V2 commands as part TagAccess class
  - o AuthenticateWait
  - o AuthenticateEvent
  - o UntraceableWait
  - o UntraceableEvent

- ReadBufferWait
  - ReadBufferEvent
  - CryptoWait
  - CryptoEvent
- Added support for Licensing as part of Licensing class
  - AcquireLicenseOnLine
  - AcquireLicenseOffLine
  - Return
  - AvailableLicenses
- Added additional Triggers
  - Added TimeLapse, Distance Start Trigger
  - Added TimeLapse Stop Trigger
  - Added Extra Triggers to support multiple start/stop triggers for inventory/access operation
- Added support to report GPS location co-ordinates as part of TagData class if the reader connected with Sierra GPS modem
- Added support to report tag status of moving and stationary.
  - Extended TagEventReportInfo class to enable setTagStationaryModeratedTimeoutMilliseconds
  - Reported Tag status as part of TAG\_EVENT in TagData class
- Extended ReaderCapabilities class to report the following features supported
  - isZebraTriggerSupported;
  - isG2V2CommandSupported;
  - isGPSReportingSupported;
  - isTagListFilterSupported;
  - isTagMovingStationarySupported
- Fix for file-based update in Windows 10 update 1903.
- Documentation had been made specific to RFID SDK and has been enhanced with more examples.

### Contents of the release package

Zebra-RFID-FXSeries-Host-Java-SDK\_V1.5.msi

### Host SDK Release Version Info

IMAGE TYPE	VERSION	FILE NAME	DATE
RFID3 C API DLL	5.5.4.14	RFIDAPI32PC.DLL	06-May-2020
RFID3 Java JNI DLL	1.4.0.44	RFIDAPI3_JNI_HOST.dll	06-May-2020
RFID3 Java API	1.4.0.44	Symbol.RFID.API3.jar	06-May-2020

## Device Compatibility

This software release has been approved for use with the following Zebra devices.

Device	Operating System
FX9600 & FX7500	Linux

## Installation Requirements

This software package has been approved for use with the following:

- PC: · Microsoft Windows 7 / 10 (32-bit/64-bit) ·
- Oracle JDK 1.3 or above ·
- NetBeans IDE 6.91 (32-bit/64-bit edition)

## Part Number and Release Date

Zebra-RFID-FXSeries-Host-Java-SDK\_V1.5.msi

May 6,2020