

Release Notes - EMDK for Android v6.8

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Important News

- **Support for configuring DataWedge using EMDK Profile Manager will be deprecated** - Profile Manager capabilities categorized under Data Capture will be deprecated. Zebra recommends using DataWedge intent-based APIs to configure DataWedge profiles going forward.
- **Supported Devices:** For a complete list of supported devices, visit the [TechDocs](#) webpage.
- **EMDK for Android support for all KitKat (Android 4.4.x) devices has been terminated** - EMDK for Android v6.6 was the final version supporting KitKat (Android 4.4.3 or higher) devices. Starting from EMDK for Android v6.7, only the Lollipop or higher devices are supported.
- **EMDK OS update package for KitKat devices will no longer be distributed** - The EMDK for Android v6.6 was the final version distributing EMDK OS update package with the PC/MAC installations for KitKat devices. For all Lollipop or higher devices, the EMDK update for a specific device will be distributed with the latest BSP or LifeGuard patch.
- **EMDK for Android support for all Jelly Bean (Android 4.1.2) and TC70 KitKat (Android 4.4.2) BSP version 112414 devices**

has been terminated - EMDK for Android v5.0 was the final version supporting these devices.

- **EMDK for Android support for Payment APIs has been terminated**
- The EMDK for Android v5.0 is the final version that supports Payment APIs.
- **Support for ProfileConfig class has been deprecated**
- The ProfileConfig class which can be used to access the profile data has been deprecated. It is recommended to use the [name-value pair](#) function of Profile Manager feature. The Profile XML can also be directly modified. Refer to the [Clock Sample](#) for information on modifying Profile XML data.
- **Support for ContinuousRead class has been deprecated**
- The ContinuousRead class which can be used to enable the continuous scanning has been deprecated. It is recommended to use the aimType, sameSymbolTimeout, differentSymbolTimeout of camera, imager and laser specific reader parameters.
- **Support for picklist field has been deprecated** - The picklist field used for enabling the picklist mode has been deprecated and it is replaced by the field picklistEx.
- **Online Help:** The [EMDK for Android Help](#) documentation is now available only online. The EMDK installation will no longer install the documentation on the development computer.
- **Online Samples:** The [EMDK Samples](#) are now available only online. The EMDK installation will no longer install the samples on the development computer. The online samples can be downloaded and used on the development computer.

Introduction

EMDK for Android provides developers with a comprehensive set of tools to easily create powerful line-of-business applications for enterprise mobility devices. Designed for use with Google Android Studio, EMDK for Android includes enterprise mobility 'Android' class libraries such as Barcode, sample applications with source code, as well as all of the associated documentation to help your applications take full advantage of the capabilities that Zebra devices have to offer. It also embeds the exclusive Profile Manager technology within the Android Studio IDE, providing a GUI-based development tool designed specifically for Zebra devices. This allows you to develop apps more quickly with fewer lines of code and with less effort and fewer errors.

Description

1. Added support for MX v7.2 in Profile Manager:
 - Power Manager – Added new feature to turn on or off the Doze mode. This feature can be used to disable the Android Doze mode feature.
 - Display Manager – Added “Stay Awake” feature to keep the display always on. Available only for VC80x.
 - RSM Manager – Added ability to remotely control the configuration of RS507 and DS3608 scanners.
 - Settings Manager – Added new feature to enable or disable application Notification on Android Nougat.
2. Enhanced Barcode Manager API:
 - Added support for the Mutli-Barcode decoding feature. This feature allows scanning multiple barcodes in one single scan:

i. Added new value "MULTI_BARCODE" in enum ScanMode to enable decoding multiple barcodes at a time.

ii. Added new class "MultiBarcodeParams" in ScannerConfig with parameter "barcodeCount" to set the barcode count to be scanned.

- Added a new AimType "PRESS_AND_SUSTAIN". Currently, when the scanner is in the continuous read or soft read mode (i.e. the scanner beam is on), pressing the hard trigger will cancel the read. This feature will keep the read alive even if the hardware trigger is pressed. Currently available only on TC2X.

3. Enhanced SerialComm API:
 - The new flowControlMode feature has been added in the SerialConfig class with RTS_CTS, XON_XOFF and NONE as possible values.
4. Enhanced DataCapture feature under Profile Manager:
 - Added Serial Input plugin support.
 - Added support for new scanner DS3608.
 - Added support for the Multi-Barcode decoding feature:

i. Added new option "Multi Barcode" under Scanning Mode in Reader parameters to enable decoding multiple barcodes at a time.

ii. Added new field "Barcode count" under Multi-barcode parameters to set the barcode count to be scanned.

- Added support to send Enter as string.
- Enhanced support for Inter Character Delay.
- Enhanced support for Aim Type with 'Press and sustain' option. This avoids canceling a read by pressing the trigger button of the device. Currently available only on TC2X.

Device Compatibility

For a complete list of supported devices, visit the [TechDocs](#) webpage.

Installation Requirements

The following software must be installed prior to using the EMDK for Android.

- Microsoft® Windows 7 (32-bit and 64-bit) or Microsoft® Windows 8 (32-bit and 64-bit) or Microsoft® Windows 8.1 (32-bit and 64-bit)
- [Java Development Kit \(JDK\)](#) v7u45 or higher
- [Android Studio](#) v2.2.x or higher. EMDK for Android has been validated with Android Studio v2.2.x, v2.3.x and v3.0.

Notes:

1. The appropriate Android SDK Platform package must be installed on the development machine in order to target the right EMDK APIs SDK add-on. For example, Android 6.0 (API 23) must be installed for targeting EMDK APIs (API 23) as Compile SDK Version in Android Studio.
2. For building EMDK samples, the Android SDK Build-tools rev.23.0.x or higher must be installed.
3. All the Android Studio sessions must be closed if already running.

Device Updates

EMDK OS update package for KitKat devices will no longer be distributed -

The EMDK for Android v6.6 was the final version distributing EMDK OS update package with the PC/MAC installations for KitKat devices. For all Lollipop or higher devices, the EMDK update for a specific device will be distributed with the latest BSP or LifeGuard patch.

Usage Notes

None.

Known Issues

None.

Part Number and Release Date

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