
Release Notes - EMDK for Android v6.9

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Important News

- **EMDK for Android support for SecureNFC APIs has been deprecated** - The EMDK SecureNFC APIs which allow applications to perform secure communications with the NFC tags such as MifareDesfire, MifarePlus SL3 using the Secure Access Module (SAM) has been deprecated.
- **Support for configuring DataWedge using EMDK Profile Manager has been deprecated** - Profile Manager capabilities categorized under Data Capture has been 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 [Android Studio](#) v3.1.
2. Added support for Windows 10.
3. Added support for MX v8.0 in Profile Manager:
 - App Manager
 - i. Added ability to enable or disable All GMS Applications on the Safe to Disable list on GMS Android devices.
 - ii. Added actions to clear Application Cache.
 - License Manager
 - i. Added ability to select the licensing file whose data should be embedded in the XML.
 - ii. Added ability to select the pre-activated license source type from where license procured.
 - iii. Added ability to query product specific license information.

- iv. Added ability to specify product name to be queried.
- v. Added ability to select the method that will be used to supply the license .bin file.
- o Settings Manager – Added ability to specify whether the user has the ability to enable or disable Tethering and Portable hotspot.
- o Power Manager – Added ability to enable or disable Wakeup Sources (i.e. sources used to wake up the device such as Scan button).
- o UI Manager
 - i. Added ability to enable or disable Triple-tap for magnification to accommodate visually impaired employees.
 - ii. Added ability to disable Virtual Keyboard and turn on Physical Keyboard.

4. Enhanced Barcode Manager API:

- o Added support for new USB Scanner LI3608:
 - i. Added new enum under BarcodeManager.DeviceIdentifier for selecting the LI3608 USB Scanner.
- o Added support for new Bluetooth Scanner LI3678:
 - i. Added new enum under BarcodeManager.DeviceIdentifier for selecting the LI3678 Bluetooth Scanner.

5. Enhanced Notification Manager API:

- o Added new method "getDeviceIdentifier()" in DeviceInfo class to identify the notification device.
- o Added new enum "DeviceIdentifier" to support getDeviceIdentifier() with following values:
 - i. DEFAULT - default
 - ii. BLUETOOTH_IMAGER_RS6000 - Bluetooth Imager RS6000
 - iii. EXTERNAL_VIBRATOR1 - External Vibrator

- 6. Deprecated support for SecureNFC APIs - The EMDK SecureNFC APIs which allow applications to perform secure communications with the NFC tags such as MifareDesfire, MifarePlus SL3 using the Secure Access Module (SAM) has been deprecated.

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) or Microsoft® Windows 10 (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, v3.0 and v3.1.

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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