

# Release Notes - EMDK for Android v5.0

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## Important News

- **Support for ADT and Eclipse is terminated:** Since Google has announced the termination of support for ADT/Eclipse for Android development, support for these tools in EMDK is also terminated. The supported development tool now is the Android Studio. Therefore all the existing Eclipse and ADT projects must be migrated to Android Studio. Please refer to the Google documentation [Migrating to Android Studio](#) for an overview of the migration process.
- **EMDK Support for Zebra Android devices running Jelly Bean (Android 4.1.2) is deprecated** - EMDK for Android v5.0 will be the final version supporting Jelly Bean (Android 4.1.2) devices. All future versions will support only KitKat and higher.
- **Support for ProfileConfig class is deprecated** - The ProfileConfig class which used to deal with profile data has been deprecated. Recommend to use config classes associated with the feature.
- **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

The EMDK for Android provides developers with a comprehensive set of tools to easily create powerful line of business applications for enterprise mobility devices and is designed for use with Google Android Studio. The 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 what our devices have to offer. It also includes an exclusive Profile Manager Technology within the Android Studio IDE, providing a GUI based development tool. This allows you to write fewer lines of code resulting in reduced development time, effort and errors.

## Description

1. The EMDK support for ADT and Eclipse is terminated. The supported development tool now is Android Studio. Therefore all the existing Eclipse and ADT projects must be migrated to Android Studio. Please refer to the Google documentation [Migrating to Android Studio](#) for an overview of the migration process.

2. Enhanced the EMDKManager > ProfileManager to support simultaneous usage in multiple applications. Refer to the [Usage Notes](#) for a complete description and restriction on using this feature.
3. Added support for the MX v6.0 in the Profile Manager:
  - o Clock
    - i. Added new feature to manage Auto Time Zone - whether to automatically acquire time zone from the network.
    - ii. Added new feature to manage Military Time - whether to use Military (24 hour) time format.
    - iii. Updated to allow Manual Time Zone setting when Auto Time is On.
  - o Camera Manager - Some of the latest devices can now be used to take pictures using Imager. The Camera manager is enhanced to block the Imager from taking pictures.
  - o Analytics Manager - Added new capability to enable or disable features such as File Upload, ANR (Application Not Respond) Info Collection, Ruggedness Info Collection, Feature Usage Info Collection, Restrict SelfUpdate WiFi Only, Device Info Collection and custom feature.
4. Enhanced the Notification Manager APIs with the following features:
  - o Added support for using the pluggable External Vibrator with WT6000 device. The earlier version of EMDK Notification Manager API supported only RS6000.
    - i. Added new enum value "EXTERNAL\_VIBRATOR1" to NotificationManager.DeviceIdentifier to specifically select External Vibrator.
    - ii. Added new enum value "VIBRATOR" to DeviceType for External Vibrator.
    - iii. Added new enum value "PLUGGABLE" to ConnectionType for External Vibrator.
  - o Enhanced the DeviceInfo class for determining the notification capability of RS6000 and External Vibrator.
    - i. Added new method isLEDSupported() to determine the support for Line Of Sight LED.
    - ii. Added new method isBeepSupported() to determine the support for Beeping.
    - iii. Added new method isVibrateSupported() to determine the support for Vibration.
  - o Enhanced the NotificationDevice class for canceling the active notifications on the remote device.
    - i. Added new method cancelNotification().
5. Enhanced the Password fields in the Profile Manager to accept special characters.
6. Fixed: BarcodeManager.getSupportedDevicesInfo() returns outdated ScannerInfo when the remote scanner is connected and disconnected.
7. Fixed: NotificationManager.getSupportedDevicesInfo() returns outdated DeviceInfo when the remote scanner is connected and disconnected.
8. Fixed: The DISABLE state was not getting fired in the StatusListener.OnStatus() event when the RS6000 scanner is disabled using the Scanner.disable() method.
9. Fixed: Using the DataCapture > Data Delivery > Intent field in the ProfileManager is returning the unsupported error.

## Device Compatibility

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

Device	Android Jelly Bean	Android KitKat	Android Lollipop
MC18		*	
MC32N0	*		
MC40	*	*	
MC67	*		
MC92		*	
TC55	*	*	
TC70		*	
TC75		*	
TC8000		*	
WT6000			*

## 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](#) v1.0.1 or higher.

### Notes:

1. The Android 4.1.2 (API 16) package must be installed in the development environment in order to target EMDK 5.x (API 16) add-on.
2. The Android 4.4.2 (API 19) package must be installed in the development environment in order to target EMDK 5.x (API 19) add-on.
3. The Android 5.1.1 (API 22) package must be installed in the development environment in order to target EMDK 5.x (API 22) add-on.
4. The Android SDK Build-tools rev.21.1.x must be downloaded and installed.
5. All the Android Studio sessions must be closed if already running.

## Usage Notes

### 1. Enhanced EMDKManager > ProfileManager for supporting multiple applications:

Enhanced the EMDKManager > ProfileManager to support simultaneous usage in multiple applications. This means, an individual application need to not release EMDKManager > ProfileManager before going to the background. In the previous versions, if an application going to the background did not release the ProfileManager, no other applications could access ProfileManager.

However, the following restrictions will continue to apply:

- Only one instance of EMDKManager can be used in an application.
- Only one instance of ProfileManager can be used in an application.
- Other than the ProfileManager, all other features such as EMDKManager > BarcodeManager used in an application must be released before another application can use that feature.
- All instances of all features including EMDKManager must be released before the exiting of the application.

## Known Issues

None.

## Part Number and Release Date

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