

# Release Notes - EMDK for Android v4.2

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## Important News

- **Support for ADT and Eclipse deprecated:** Since Google has announced the termination of support for ADT/Eclipse for Android development, support for these tools in EMDK is deprecated. The supported development tool now is the Android Studio. It is strongly recommended that all the existing Eclipse and ADT projects are migrated to Android Studio as soon as possible. Please refer to the Google documentation [Migrating to Android Studio](#) for an overview of the migration process.
- **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. Added support for the MX v5.1 in the Profile Manager:
  - UI Manager
    - i. Added new feature to set the language to localize the device to match the preferred language of the intended Device User.
    - ii. Added new feature to enable or disable pulling down the Notification Panel.
    - iii. Added new feature to display or hide the Settings icon in the Notification Panel.
  - App Manager - Added new feature to launch an application by specifying the application name.

- Host Manager - Added new feature to set the device host name to identify device both locally and within any DNS-enabled IP-based network.
- Bluetooth Manager - Added new feature to allow or disallow the mobile device to pair with new remote devices.
- Analytics Manager - Added new capability to control the data captured by the analytics engine such as data transportation, type of information to collect and data collection scheduling.

2. Updated Barcode Manager APIs with the following features:

- Enhanced the ScannerInfo class for the selecting the scanner:
  - i. Added new method `getDeviceIdentifier()` for selecting the scanner from the supported scanner devices. This method provides the information returned by the `getConnectionType()` and `getDeviceType()` methods in one call.

3. Updated the DataCapture feature in the Profile Manager:

- Added support for additional scanner devices:
  - i. Bluetooth Imager 1 (please note this value is for use with RS507 only)
- Added support for controlling the barcode decode notifications:
  - i. Aim Mode - Enable/Disable scanner aim during scanning.
  - ii. Illumination Brightness - Controls illumination brightness of the imager.

4. Fixed the crashing issue when camera was used for continuous scanning.

5. Fixed the exception (observed only in the logcat) when using the Serial Comm APIs.

6. Added support for new WT6000 Lollipop (Android 5.1.1) devices along with RS4000 and RS6000 scanner support. **(Added July 2016)\***

7. Added support for Notification APIs to send notifications to remote devices. This feature currently supports RS6000 only. The Notification APIs can be used for controlling following notifications: **(Added July 2016)\***

- Line Of Sight LED
- Beeping
- Vibration

8. Updated Barcode Manager APIs for the following features: **(Added July 2016)\***

- Added support for new pluggable scanner RS4000 to be used with WT6000 device
  - i. Added new enum value "PLUGGABLE\_LASER1" to `BarcodeManager.DeviceIdentifier` to specifically select RS4000 Scanner.
  - ii. Added new enum value "PLUGGABLE\_SSI" to `ScannerInfo.ConnectionType` for RS4000.
  - iii. Connection event now fired for pluggable scanner RS4000 connection and disconnection. Earlier it was fired only for Bluetooth scanner connection and disconnection.
- Added support for new Bluetooth Scanner RS6000 to be used with WT6000 device

- i. Added new enum value "BLUETOOTH\_IMAGER\_RS6000" to BarcodeManager.DeviceIdentifier to specifically select RS6000 Scanner.
  - ii. Connection event now fired for Bluetooth scanner RS6000 connection and disconnection.
- o Added new scanner configurations parameters in ScannerConfig.ScanParams
  - i. decodeAudioFeedbackMode - Controls the Audio feedback mode to be given by the host device (WT6000) and remote scanner (RS6000) upon barcode decode.
  - ii. decodeLEDFeedbackMode - Controls the LED feedback mode to be given by the host device (WT6000) and remote scanner (RS6000) upon barcode decode.
  - iii. Added new enums: DecodeLEDFeedbackMode, DecodeAudioFeedbackMode.
  - iv. Connection idle timeout value 0 is supported. Device will not get disconnected when set to 0.

9. Added support for the MX v5.2 in the Profile Manager: (Added July 2016)\*

- o Remote Scanner Manager - Ability to manage the remote scanners (tasks such as query the remote scanner information, update firmware, reset, etc). This feature currently supports RS6000 only.
- o UI Manager - Specify whether the access to QuickSettings will be allowed or not.

10. Added support for the following MX v4.4 features in the Profile Manager: (Added July 2016)\*

- o Key Mapping Manager - Updated to support P1, P2, P3 and Left/ Right Trigger buttons.

11. Updated DataCapture feature in the Profile Manager: (Added July 2016)\*

- o Added support for choosing the remote scanners such as RS507, RS4000 and RS6000. Following are the expected values:
  - i. Pluggable Laser 1
  - ii. RS6000 Bluetooth Imager
- o Added support for controlling the barcode decode notifications:
  - i. Decode Audio Feedback Mode - Controls the Audio feedback mode to be given by the host device (WT6000) and remote scanner (RS6000) upon barcode decode.
  - ii. Decode LED Feedback Mode - Controls the LED feedback mode to be given by the host device (WT6000) and remote scanner (RS6000) upon barcode decode.

12. The BarcodeSample1 has been modified to support WT6000 and new scanners (RS4000 and RS6000). Now it works with default/native device orientation. In WT6000, it is working in Landscape mode. (Added July 2016)\*

\* New device approval has been received for this package. The approval did not require any software changes. If you have already installed the package, there is no need to download and install it again.

## 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 4.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 4.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 4.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**

None.

### **Known Issues**

None.

### **Part Number and Release Date**

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