# Release Notes - EMDK for Xamarin v2.4

## Important News

The EMDK for Xamarin 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 Visual Studio or Xamarin Studio with Xamarin.Android. The EMDK for Xamarin includes class libraries, 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 Visual Studio and Xamarin Studio, providing a GUI based development tool to use along with Profile Manager API. This allows you to write fewer lines of code resulting in reduced development time, effort and errors.

Applications accessing EMDK for Xamarin APIs are required to use the Symbol.XamarinEMDK component.

## Introduction

The EMDK for Xamarin provides developers with the tools necessary for creating applications that target the enterprise mobility 'Xamarin' libraries, such as Barcode. This developer kit is designed for use with Visual Studio or Xamarin Studio with Xamarin.Android. The Xamarin Business or Enterprise license is required.

> **Note:** For EMDK for Xamarin documentation and discussions, please visit the Launchpad Developer Community Web site at:
> https://developer.zebra.com/community/android/xamarin

## Description

1. Added support for MX v6.3 in Profile Manager:

- o Bug Report Manager ï¿½ Added new custom bug reporting feature for gathering software bug reports in addition to the standard Android bug reporting mechanism.
- o Cellular Manager ï¿½ Added new feature to enable/disable mobile data and set the data usage limit.
- o DHCP Manager ï¿½ Added new feature to enable/disable features such as client identifier, FQDN and add custom DHCP options such as Vendor Specific 230.
- o Remote Scanner Manager ï¿½ Added support for DS3678 Bluetooth scanner with the features such as firmware update, paging.
- o Touch Manager ï¿½ Added Touch Mode support for ET5x devices.

2. Enhanced Barcode Manager API with the following features:
   - o Added support for new Bluetooth Scanner DS3678:
     - i. Added new enum value "BLUETOOTH_IMAGER_DS3678" under BarcodeManager.DeviceIdentifier for selecting this scanner.
     - ii. Added new reader parameter ï¿½pairAfterScannerRebootï¿½ in ScannerConfig.ReaderParams.ReaderSpecific.ImagerSpecific to enable/disable automatic reconnection after DS3678 scanner reboot.

3. SimulScan support in Xamarin.

4. Enhanced DataCapture feature in the Profile Manager:
   - o Added support for new Bluetooth Scanner DS3678:
     - i. Added new enum under BarcodeManager.DeviceIdentifier for selecting the DS3678 Bluetooth Scanner.
     - ii. Added support to enable/disable automatic re-connection after DS3678 scanner reboot. Refer to the parameter ï¿½ScannerConfig.ReaderParams.ReaderSpecific.ImagerSpecific.pairAfterScannerRebootï¿½ for details.

5. Enhanced DataCapture feature in the Profile Manager:
   - o Added support for new Bluetooth Scanner DS3678:
     
     i.Added support selecting the DS3678 Bluetooth Scanner.

ii.Added support to enable/disable automatic re-connection after DS3678 scanner reboot. Refer to the parameter ï¿½Keep Pairing Info After Rebootï¿½ for details.

6. Fixed: NotificationDevice.release() fails after re-connection of RS6000 if BarcodeManager.addconnectionlistener() is called.

7. Fixed: The vibrating functionality will continue for the remaining period when the External Vibrator accessory is disconnected and reconnected.

## Device Compatibility

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

| Device | Android KitKat | Android Lollipop | Android Marshmallow |
|--------|-----|-----|-----|
| MC18 | * | NA | NA |
| MC40 | * | NA | NA |
| MC92 | * | NA | NA |
| TC55 | * | NA | NA |
| TC70 | * | * | NA |
| TC75 | * | * | NA |
| TC8000 | * | * | NA |
| ET5X | NA | * | NA |
| WT6000 | NA | * | NA |
| TC51 | NA | NA | * |
| TC56 | NA | NA | * |
| MC67 | * | NA | NA |
| TC75x | NA | NA | * |

## Installation Requirements

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

- Microsoftï¿½ Windows 7 (32-bit and 64-bit) or Microsoftï¿½ Windows 8 (32-bit and 64-bit) or Microsoftï¿½ Windows 8.1 (32-bit and 64-bit) or or Mac OS X 10.10 or higher.

- [Java Development Kit (JDK)](link) v7u45 or higher.

- Visual Studio 2013 or Xamarin Studio 6.0 or higher.

**Usage Notes**

None.


**Known Issues**

None.


**Part Number and Release Date**

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