

# Release Notes - EMDK for .NET v2.8

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## 1 **Important News**

1. **End of Support for WirelessLAN Assembly** - Beginning with EMDK for .NET v2.5, the WirelessLAN assembly is no longer supported. If you are still using the WirelessLAN class library, you must transition to the Fusion class library.
2. **End of Support for Compact Framework 1.0 and Visual Studio .NET 2003** - Beginning with EMDK for .NET v2.4, Compact Framework 1.0 and Visual Studio .NET 2003 are not supported. The support for these tools is provided by the previous versions of this product which will continue to be available on the Support Central.

## 2 **Introduction**

The EMDK for .NET provides developers with the tools necessary to create C# and VB.NET managed applications for enterprise mobility devices from Zebra. These tools include class libraries, sample applications, and associated documentation. EMDK for .NET allows Microsoft® .NET Compact Framework developers to programmatically access the enterprise mobility features on the devices. This developer kit is designed for use with Visual Studio 2005 and Visual Studio 2008.

## 3 **Description**

1. New device support for MC92N0 CE7.0 and MC92N0 WM6.5.
2. New support for Windows 8 PC installation. EMDK for .NET can now be installed on Windows XP, Windows Vista, Windows 7 and Windows 8.

3. Updated SensorSample1 to provide access to all the sensors available on the device. The previous versions provided access to the accelerometer, tilt angle and orientation sensors only.
4. The older MC67NA BSP versions required manual installation of the drivers for using the Document Capture v2.0 (DocCap 2.0) feature. However, MC67NA BSP v28.19 or higher comes with the DocCap 2.0 drivers fully integrated and there is no need for manual installation. (Added in September 2013)\*
5. The following external scanners are now approved for use with VC70N0 BSP v34.21 or higher. Previously, only the RS507 Bluetooth Image Scanner was supported. Refer to the "VC70N0 Programming - Addendum - EMDK-M-020802.pdf" documentation available on EMDK for .NET v2.8 web page for more information. (Added in October 2013)\*
  - o LS3408-ER Corded Laser Scanner
  - o DS3508-ER Corded Imager Scanner
  - o LS3578 Bluetooth Laser Scanner
  - o DS3578 Bluetooth Imager Scanner
6. Added Document Capture v2.0 (DocCap 2.0) support for the following devices. This requires manually installing the DocCap 2.0 drivers. To download these drivers, go to Support Portal and search for "Document Capture v2.0 for MPA2 Products". (Added in October 2013)\*
  - o MC55A0 WM6.5
  - o MC55N0 WM6.5
  - o MC75A WM6.5
  - o MC9500 WM6.5
7. New device support for MC2100 CE6.0 Professional. Earlier versions of EMDK already supported MC2100 CE6.0 Core device. (Added in January 2014)\*

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

## 4 Device Compatibility

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

Device	Win CE 5.0	Win CE 6.0	Win CE 7.0	Win Mobile 5.0	Win Mobile 6.0/6.1	Win Mobile 6.5	Custom Linux
ES400						*	

FX7400	*						
FX9500							*
LEX700						*	
MC1000	*						
MC17	*						
MC2100		*					
MC3000	*				*		
MC3190Z						*	
MC3100		*			*	*	
MC4500						*	
MC55					*	*	
MC55A						*	
MC55N0						*	
MC65						*	
MC67NA						*	
MC70				*	*		
MC75					*	*	
MC75A						*	
MC9000	*			*			
MC9090	*			*	*		
MC9090-Z					*		
MC9100		*				*	
MC92N0			*			*	
MC9500					*	*	
MK500	*						
MK3000	*						
MK3100			*				
MK4000	*						
MT2000	*						
RD5000	*						
VC5090	*						
VC6090					*	*	
VC70N0			*				
WT4000	*						
WT41N0			*				
XR400 Series	*						

\* Supported device

NOTE: Support for the older devices is provided by previous versions of this product.

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

Accessory	Devices
DCR7000-100	MC70, MC75, MC75A
DCR7000-200	MC70, MC75, MC75A
MSR3000	MC3000, MC3100
MSR55	MC55, MC55A, MC55N
MSR7000	MC70, MC75, MC75A
MSR9001	MC9090, MC9100, MC92N0
MSR9500	MC9500
RS409	WT4000
RS419	WT41N0
RS507	LEX700, MC3000, MC3100, MC55, MC67NA, MC70, MC75, MC75A, MC9090, MC9100, MC92N0, MC9500, MK3100, VC5090, VC6090, VC70N0, WT4000, WT41N0
LS3408-ER	VC5090, VC70N0
DS3508-ER	VC70N0
LS3578	VC70N0
DS3578	VC70N0

## 5 Installation Requirements

### Development PC

Install Requirements for Visual Studio 2005:

- Microsoft® Windows XP (32-bit) or Microsoft® Windows Vista (32-bit) or Microsoft® Windows 7 (32-bit and 64-bit)
- Microsoft® Visual Studio 2005 \*
- Microsoft ActiveSync 4.2 or higher (only for Windows XP, Vista has its own Mobile Device Center)
- Microsoft® Windows Mobile Device Center 6.1 or higher. (only for Windows 7)
- One of more of the following SDKs for the Windows Mobile development:
  - [Microsoft® Windows Mobile 5.0 SDK for PocketPC](#)

- [Microsoft® Windows Mobile 6.0 Professional SDK for Pocket PC](#)
- [Microsoft® Windows Mobile 6.5 Professional Developer Tool Kit](#)

\* EMDK for .NET requires at least Visual Studio 2005 Service Pack 1 installed on the development PC.

Install Requirements for Visual Studio 2008:

- Microsoft® Windows XP (32-bit) or Microsoft® Windows Vista (32-bit) or Microsoft® Windows 7 (32-bit and 64-bit)
- Microsoft® Visual Studio 2008 \*
- Microsoft ActiveSync 4.5 or higher (only for Windows XP, Vista has its own Mobile Device Center)
- Microsoft® Windows Mobile Device Center 6.1 or higher. (only for Windows 7)
- One of more of the following SDKs for the Windows Mobile development:
  - [Microsoft® Windows Mobile 6.0 Professional SDK for Pocket PC](#)
  - [Microsoft® Windows Mobile 6.5 Professional Developer Tool Kit](#)

If developing applications for Windows Embedded Compact 7.0 (CE 7.0) is a requirement, then install the followings:

- Microsoft® Visual Studio 2008 with Service Pack 1
- Install the [update that adds support for Windows Embedded Compact 7.0](#)
- Install the [update that extends support for Windows Embedded Compact 7.0](#). This fix is required only if you are targeting ATL or MFC.

\* The edition of Visual Studio installed must support mobile device development. Express editions of Visual Studio do not support mobile device development. Visual Studio 2008 Standard Edition does not support mobile device development.

## **Device Runtimes**

To run device applications that utilize EMDK for .NET libraries, the following device runtimes must be installed:

- Microsoft .NET Compact Framework. The following table specifies the combinations of Visual Studio and .NET Compact Frameworks supported by EMDK:

	CF 2.0 SP2	CF 3.5
Visual Studio 2005	Supported	
Visual Studio 2008	Supported	Supported

- EMDK for .NET runtime environment (symbol.all.arm.cab).

## **Host Runtimes**

To run PC applications that utilize the RFID class libraries, the following Host runtimes must be installed:

- .NET Framework 2.0 or higher
- Symbol.RFID2.Host.dll
- RFIDControl.zip (required by RD5000. Refer to the section "Using Symbol.RFID2 Host Assembly with RD5000 Device Reader" in the ReadMe)

## **6 Known Issues**

- On MC67, Symbol.Fusion.Config.WLAN.ResetDataStore() fails if a user certificate is already installed.
- On MC92N0, AudioSample1 will not launch due to low level issues with the Symbol.Audio.Controller.BeeperVolumeLevels & Symbol.Audio.Controller.BeeperVolume fields. However all the rest of the properties in the Symbol.Audio class library are fully supported.

*Last Revised: January 30, 2014*