Release Notes - EMDK for C v2.8

1   Important News

1. **End of Support for Windows Vista -** Beginning with EMDK for C v2.8, Windows Vista is no longer supported.

2. **Change in the Installer:** Beginning with EMDK for C v2.8, the installer has been changed. This new installer preserves the already existed behavior of detecting older EMDK versions to prevent two EMDK versions from being installed. But the older versions prior to v2.8 will not be able to detect the presence of v2.8, and will continue to be installed resulting in two EMDK versions. So the user must make sure that installing older EMDK for C versions prior to v2.8 is not attempted after installing this new version or future versions for the proper functionality of the package.

3. **End of Support for eMbedded Visual C++ 4.0** - Beginning with EMDK for C v2.4, support for eMbedded Visual C++ 4.0 (eVC 4.0) is no longer available. Customers must use Visual Studio 2005 or Visual Studio 2008. Support for eVC 4.0 will be provided by the previous versions of this product which will continue to be available on the Support Central.

4. **End of Support for S24 functions** - Beginning with EMDK for C v2.4, support for S24 API functions is no longer available. Customers must use the Fusion API to access WLAN capabilities.

2   Introduction

The EMDK for C provides developers with the tools necessary for creating applications that target the enterprise mobility 'C' libraries, such as scanning and

printing. This developer kit is designed for use with Visual Studio 2005 and Visual Studio 2008.

3   Description

1. New device support for MC18 CE7.0 and MC32N0 CE7.0. The device MC18 CE7.0 supports the new APIs Cradle and Diagnostic.
2. Updated Fusion API to include support for exporting and importing WLAN datastore on Fusion X_2.01 and later.
3. Beginning with MC67 BSP v03.46.39, the support for color camera has been provided through the Imager APIs distributed with EMDK. However on the older versions of MC67 BSPs, you must continue to use Microsoft's DirectShow for capturing images. The Imager APIs distributed with EMDK do not support color camera on the older BSPs.

4. Important News: Beginning with this version, Windows Vista is no longer supported.
5. Important News: Beginning with EMDK for C v2.8, the installer has been changed. This new installer preserves the already existed behavior of detecting older EMDK versions to prevent two EMDK versions from being installed. But the older versions prior to v2.8 will not be able to detect the presence of v2.8, and will continue to be installed resulting in two EMDK versions. So the user must make sure that installing older EMDK for C versions prior to v2.8 is not attempted after installing this new version or future versions for the proper functionality of the package.
6. Rollup of previously released v2.7 update.

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 OS
ES400						*	
FX7400	*						
FX9500							*
LEX700						*	
MC1000	*						
MC17	*						
MC18			*				
MC2100		*					
MC3000	*				*		
MC3090Z					*		
MC3100		*			*	*	

Device							
MC3190Z						*	
MC32N0			*				
MC4500						*	
MC55					*	*	
MC55A						*	
MC55N						*	
MC65						*	
MC67NA						*	
MC70				*	*		
MC75					*	*	
MC75A						*	
MC9000	*			*			
MC9090	*			*	*		
MC9090-RFID				*			
MC9090Z					*		
MC9100		*				*	
MC9190Z						*	
MC92N0			*			*	
MC9500					*	*	
MK3000	*						
MK3100			*				
MK500	*						
MT2000	*						
RD5000	*						
VC5090	*						
VC6090					*	*	
VC70N0			*				
WT4000	*						
WT41N0			*				
XR400 Series	*						

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, MC32N0
MSR55	MC55, MC55A, MC55N
MSR7000	MC70, MC75, MC75A
MSR9001	MC9090, MC9100, MC92N0
MSR9500	MC9500
RS419	WT41N0
RS507	LEX700, MC3000, MC3100, MC55, MC67NA, MC70, MC75, MC75A, MC9090, MC9100, MC92N0, MC9500, MK3100, VC5090, VC6090, VC70N0, WT4000, WT41N0
LS3408-ER	VC70N0
DS3508-ER	VC70N0
LS3578	VC70N0
DS3578	VC70N0

5   Installation Requirements

The following software must be installed prior to using the EMDK for C.
- Microsoft® Windows XP (32-bit) or Microsoft® Windows Vista (32-bit) or Microsoft® Windows 7 (32-bit and 64-bit) or Microsoft® Windows 8 (32-bit and 64-bit)
- One of the following device sync components:
  - o Microsoft® ActiveSync 4.5 or higher for Windows XP
  - o Microsoft® Mobile Device Center pre-installed with Windows Vista
  - o Microsoft® Windows Mobile Device Center 6.1 or higher for Windows 7 and Windows 8

- If developing applications for Windows CE 5.0
  - o [Microsoft® eMbedded Visual C++ 4.0](#) with [Service Pack4](#)

- If developing applications for Windows Mobile 6.X, Windows Mobile 5.0, Windows CE 6.0 or Windows CE 5.0, install one or more of the following:
  - o Microsoft® Visual Studio 2005 with Service Pack1
  - o Microsoft® Visual Studio 2008 with Service Pack1

- One or more of the following Platform SDK's:
  - o [Microsoft® Windows Mobile 5.0 SDK](#) *
  - o [Microsoft® Windows Mobile 6.0 Professional SDK](#)
  - o [Microsoft® Windows Mobile 6.5 Professional Developer Tool Kit](#)

- o For Windows CE embedded development, use the Platform SDK's (PSDK's) available at http://support.symbol.com/support

- If developing applications for Windows Embedded Compact 7.0 (CE 7.0), install the following:
  - o Microsoft® Visual Studio 2008 with Service Pack1
  - o Install the update that adds support for Windows Embedded Compact 7.0
  - o 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 Windows Mobile 5.0 SDK is required to build the EMDK sample applications. If you are using Visual Studio 2005, this SDK must be installed. Visual Studio 2008 includes this SDK pre-installed.

6   Installation Instructions

Please read these rules carefully. Failure to follow them could cause problems:
1. For Windows CE SDK's (PSDK's) to be recognized by Visual Studio, they must be installed after Visual Studio is installed.

2. If a Microsoft SDK for Windows Mobile is installed after EMDK for C, you will need to run EmdkIntegrator manually using the shortcut in the EMDK for C Start Menu program group. On Windows Vista, Windows 7 and Windows 8, EmdkIntegrator must be run with administrative rights. This will ensure that EmdkIntegrator adds the EMDK Include and Library files to the Microsoft SDK.
3. If you need to install Visual Studio 2005 and Visual Studio 2008 on the same machine, make sure to install in the following order:
   - o Microsoft® Visual Studio 2005 with Service Pack1
   - o Microsoft® Windows Mobile 5.0 SDK
   - o Microsoft® Visual Studio 2008 with Service Pack1
   - o EMDK for C
   - o One or more of the Platform SDKs

Failure to follow the above order may result in compilation errors. To correct this problem uninstall all software except Visual Studio 2005 and reinstall in the above order.
4. If you need to install the Windows Mobile 6.0 SDK and the Windows Mobile 5.0 SDK on the same machine, make sure to install in the Windows Mobile 5.0 SDK first.

5. EMDK supports development of 64 bit RFID applications on Windows 7. If the 64 bit component of the Visual Studio is installed after the installation of EMDK for C, you must run EmdkIntegrator manually using the shortcut in the EMDK for C Start Menu program group. The EmdkIntegrator must be run with administrative rights. This will ensure that EmdkIntegrator adds the EMDK Include and Library files to the Microsoft

SDK.

6. Before compiling the ATL or MFC application that run on CE 7.0 , you must modify the project settings as described below:

a.   Go to Tools->Options.
b.   Select "VC++ Directories" under the "Projects and Solutions" section.
c.   Select the targeted CE7.0 device under the "Platform" section. For example, select "WT41N0c70PSDK(ARMV4i)" for targeting the WT41N0 CE7.0 device.
d.   Select "Include files" under the "Show directories for" section.
e.   In the "Include Directories" textbox, add the "$(VCInstallDir)ce7\include" string.
f.   In the "Include Directories" textbox, add the "$(VCInstallDir)ce7\atlmfc\include" string.
g.   Move the "$(VCInstallDir)ce7\atlmfc\include" entry above the "$(VCInstallDir)ce\atlmfc\include".

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