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# **Release Notes - MC 30xx, MC 909x, VC 50xx, WT 40xx, Windows CE 5.0 - Fusion v2.57.0.0.025B**

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## **Introduction**

Fusion is a suite of software which allows for WLAN connectivity, configuration, status reporting, and diagnostics. This hot fix is an update for Windows CE 5.0 products using Fusion 2.57.

## **Description**

This posting corrects the following issues:

- SPR 21186 – When credentials are configured within the profile (device profile), connecting to an Aruba or Cisco WLAN controller using 802.1x with WPA2 and PMK caching occasionally triggers a re-authentication. **By default the fix is disabled. A registry key to enable the fix is shown below. It is recommended to only use the registry key if you are using this particular scenario.**  
[HKEY\_LOCAL\_MACHINE\SOFTWARE\Symbol Technologies, Inc.\WCSRV]  
"MissingPMKDetectEnabled"=dword:00000001  
**Setting this value to 0 disables the fix. Device needs to be rebooted after changing this registry value.**

This Fusion version contains the following module versions:

CertManage	2.57.0.5
LoginService	2.57.0.1
PACstoreService	2.57.0.2
Photon10	3.0.57.268
FusionPublicAPI	2.57.0.12

WCConfigEd	2.57.0.11
WCDiag	2.57.0.6
WCLaunch	2.57.0.9
WCSAPI	2.57.0.3
WCSRV	2.57.0.23
WCStatus	2.57.0.8

## Device Compatibility

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

Device	Operating System	OEM Version	Fusion Version
MC30xx	Windows CE 5.0	07.35.00 (BSP 35)	Any previous 2.57 Release
MC909x	Windows CE 5.0	01.35.00 (BSP 35)	Any previous 2.57 Release
VC5090	Windows CE 5.0	07.35.00 (BSP 35)	Any previous 2.57 Release
WT40xx	Windows CE 5.0	06.35.00 (BSP 35)	Any previous 2.57 Release

## Installation Instructions

**NOTE:** Prior to installation, ensure that you are currently running an approved version of the Operating System and Fusion from the table above. Otherwise, visit <http://support.symbol.com> and load the correct DCP for your product.

### Manual Installation:

1. Copy “Fusion\_2.57.0.0.025B\_CE50.ARM.CAB” onto the device using Active Sync.
2. On the device, browse to the file on the device and Double Click the CAB file to extract it.
3. On the File Dialog, press OK.
4. Follow on screen instructions to complete installation.

**NOTE:** At the end of installation a message box will be displayed to reboot the device. Pressing OK will reboot the device and complete the installation.

### Airbeam /Automated Installation:

1. Create an Airbeam package that will install “Fusion\_2.57.0.0.025B\_CE50.ARM.CAB”.
2. The Airbeam package must Warm Boot the device after installation.
3. Use Airbeam Client to install.

## Version History

### Fusion 2.57.0.0.025B, Dec 2011

- SPR 21186 – When credentials are configured within the profile (device profile), connecting to an Aruba or Cisco WLAN controller using 802.1x with WPA2 and PMK caching occasionally triggers a re-authentication. By default the fix is disabled. A registry key to enable the fix is shown below. It is recommended to only use the registry key if you are using this particular scenario.  
[HKEY\_LOCAL\_MACHINE\SOFTWARE\Symbol Technologies, Inc.\WCSRV]  
"MissingPMKDetectEnabled"=dword:00000001  
Setting this value to 0 disables the fix. Device needs to be rebooted after changing this registry value.

### Fusion 2.57.0.0.024B, July 2011

- SPR 18857 – Auto PAC Provisioning settings are not selected after importing WLAN options from a registry file created by previous Fusion versions.
- SPR 18448 – WLAN Adapter is occasionally unavailable after suspend resume on the WT4090
- SPR 19802 - Memory leak when loading Fusion public API dll
- SPR 20412 – Connecting to an Aruba or Cisco WLAN controller using 802.1x with WPA2 and PMK caching occasionally triggers a re-authentication. By default the fix is disabled. A registry key to enable the fix is shown below. It is recommended to only use the registry key if you are using this particular scenario.  
[HKEY\_LOCAL\_MACHINE\SOFTWARE\Symbol Technologies, Inc.\WCSRV]  
"MissingPMKDetectEnabled"=dword:00000001  
Setting this value to 0 disables the fix. Device needs to be rebooted after changing this registry value.

### Fusion 2.57.0.0.023B, January 2010

- SPR 17857 - The confirmation dialog to remember credentials for shared folders disappears automatically.
- SPR 18178 - Importing Options registry file from 2.5 into 2.57 fails.

### Fusion 2.57.0.0.022B, January 2010

- SPR 17281 - Using the C Fusion API, the Fusion command USER\_CREDENTIAL\_WLAN\_OVERRIDE does not work
- SPR 17801 - Cannot use a password starting with an Asterisk (\*) stored within the profile.

- SPR 17743 - Fusion v2.57-21B (and 18R) fails to purge PMKID once authenticator rejects ID offer, re-challenges for .1x & issues new PMKID. Supplicant continues to re-use 'old' ID during AES-EAPOL message 2 return
- EPIC 26338/ SPR 17604 - Adding a WEP-104 hex-key profile with key index 2, 3 and 4 through FusionPublicAPI is failing
- SPR 16414 – Merged the changes from Fusion 2.55.Telnet session disconnects based on the MC9090 frequently failing to re-authenticate @ roam based on the frequent inability to return the WPA EAPOL counter replay within the 100ms timeout interval.
- Failed to enable the Supplicant Logs from the Fusion trace Application.

#### **Fusion 2.57.0.0.021B, June 2009**

- Removed OUI restrictions to add support for all future client MAC addresses.
- Added support for entering two DNS and two WINS addresses into Fusion profiles that utilize static IP addresses.
- SPR 16412 – Increased supplicant thread priorities to prevent CPU intensive applications from causing authentication failures.
- SPR 16933 – Corrected issue where MUDLL could cause exceptions on non-WLAN devices.
- SPR 17102 – Corrected issue where credential caching options for prompting for login at a time interval prompts too early following a suspend and resume of the device.
- SPR 17168 – Re-introduced the display of bar graphs in the ICMP Ping page.
- SPR 17221 and SPR 17267 – Corrected issues where CCKM would not work properly in Fusion 2.57.0.0.019R.
  - Note: this issue was only for customers using a custom version of Fusion, customers using the standard release 2.57.0.0.018R will not have this CCKM issue.

#### **Fusion 2.57.0.0.018R, December 2008**

- Initial Fusion 2.57 release

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

Fusion v2.57.0.0.025B

Dec 2011