

Release Notes – MC18 Windows CE 7.0 - Fusion X_2.02.0.0.024R - SPR28127

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Introduction

Fusion is a suite of software, which allows for WLAN connectivity, configuration, status reporting, and diagnostics. This is a release of Fusion X2.02 for MC18 with Windows CE 7.0.

Description

This is a release of Fusion X2.02 for Windows CE 7.0. This release corrects the following issues.

- SPR 26597 - Updated DHCP and Netbios DLLs from Microsoft. These contain fixes for Target Netbios issue and DHCP duplicate address detection arping logic.
- SPR 27247 - Fusion 91R exhibits extremely long delays re-connecting once device resumes from suspend. These delays have a direct adverse affect on telnet session continuance.
- SPR 26237 - Allow mixed mode parameter failing when deployed via MSP.
- SPR 26132 - Error choosing validate server certificate option with custom certificate in MSP server.
- Updated RoWv7 and WW SKUs with latest regulatory rules.
- Trigger roam if no beacons are seen despite successful directed probe request.
- Additional country codes for FCC 5 GHz changes.

New features added:

- Added SHA2 support.

Current release provides localized user interface for French, Italian, German, Spanish, Japanese, Korean Simplified Chinese and Traditional Chinese languages when installed on the corresponding localized OS image. If this release is installed on any other localized OS image, the user interface will be in English.

This Fusion version contains the following module versions:

WC Config Editor	X_2.02.0.0.9
WC Diagnostics	X_2.02.0.0.6
WC Status	X_2.02.0.0.12
CertManage	X_2.02.0.0.2
WC Launch	X_2.02.0.0.5
PacStore Service	X_2.02.0.0.2
Fusion Public API	X_2.02.0.0.5
WCSAPI	X_2.02.0.0.5
WCSRV	X_2.02.0.0.20
LoginService	X_2.02.0.0.4

Device Compatibility

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

Device	Operating System	OEM Version	Fusion Version
MC18	Windows CE 7.0	01.48.0028	Any previous X1.00 or X2.00 or X2.01 version

Installation Instructions

NOTE: Prior to installation, ensure that you are currently running an approved version of the Operating System from the table above. Otherwise, visit <http://support.symbol.com> and load the correct DCP for your product. This installation contains DHCP.dll which includes DHCP client having fixes for few SPRs. This is required if this cab is installed on any older OEM version.

Manual Installation:

1. Copy FUSION_X_2.02.0.0.024R_MPA3x1_CE70.CAB or FUSION_X_2.02.0.0.024R_MPA3x1_CE70_NO_REBOOT.CAB to \Application folder of the device.
2. Execute it by tapping on it.
3. Press OK on the File Dialog and follow on screen instructions to complete installation.
4. Solution will be installed and the device will warm boot automatically if the cab installed is FUSION_X_2.02.0.0.024R_MPA3x1_CE70.CAB.
5. If the cab installed is FUSION_X_2.02.0.0.024R_MPA3x1_CE70_NO_REBOOT.CAB, warm boot the device after installing the cab.

Airbeam /Automated Installation:

1. Create an Airbeam package that will install FUSION_X_2.02.0.0.024R_MPA3x1_CE70.CAB or FUSION_X_2.02.0.0.024R_MPA3x1_CE70_NO_REBOOT.CAB.
2. Use Airbeam client to install it.
3. If the Airbeam package installs the FUSION_X_2.02.0.0.024R_MPA3x1_CE70_NO_REBOOT.CAB, reboot of the device has to be performed by the airbeam package after installing the cab.

Version History

Fusion X2.02.0.0.024R, September 2015

Bugs Fixed:

- SPR 26597 - Updated DHCP and Netbios DLLs from Microsoft. These contain fixes for Target Netbios issue and DHCP duplicate address detection arp ping logic.
- SPR 27247 - Fusion 91R exhibits extremely long delays re-connecting once device resumes from suspend. These delays have a direct adverse affect on telnet session continuance.
- SPR 26237 - Allow mixed mode parameter failing when deployed via MSP.
- SPR 26132 - Error choosing validate server certificate option with custom certificate in MSP server.
- Updated RoWv7 and WW SKUs with latest regulatory rules.
- Trigger roam if no beacons are seen despite successful directed probe request.
- Additional country codes for FCC 5 GHz changes.

New features added:

- Added SHA2 support.

Fusion X2.02.0.0.016R, March 2015

Bugs Fixed:

- SPR 24597 - MU couldn't connect to the infrastructure profiles after switching back from adhoc profile
- SPR 25976 - Intermittently telnet session disconnects and the device reports Auto IP
- SPR 26132 - When configuring MSP setting for WPA2-ENT/PEAP-MSCHAPv2 and use the option "Validate Certificate" to select a certificate installed (non-custom certificate), we get an error when saving.
- SPR 25790 – Unit does not suspend when SOTI agent is installed.
- SPR 25781 - Cannot connect to DFS channeled (Cisco AND Motorola) AP when the SSID has been secured within beacon.
- Device couldn't listen to DHCP ACK and not responding to ICMP ping packets from TQ server.
- Fix for translating the WPA profiles to WPA2/WPA profile when created from MSP.
- Fix for auto-import of GPD export file containing Options data.
- Reset Fusion Datastore is disabling all the channels and unable to select the channels.
- Roam stickiness caused by state machine bug causing roam scans to fail. Device fails to roam to AP with good signal strength and stays connected to AP with very low signal strength.
- Various bug fixes for OKC
- BT discovery fails when WLAN is in connected state in 2.4GHz
- Intermittently radio is resetting automatically after suspend-resume
- MU fails to roam between two DFS channels.
- Intermittently MU is failing to scan in FIND WLANS
- Fusion options do not reflect the changes if country code is set to UK through MSP
- Telnet session on the device disconnects after suspend-resume
- FAPI SELECT_AND_CONNECT_PROFILE command sometimes does not connect to profile
- EAPOL keys as voice packets when they are coming with voice priority and admission control negotiation is initiated with the AP
- Telnet session doesn't survive across disconnect on CE7
- Media disconnect causes telnet session to disconnect
- POWER_SAVE_FAILURE FW recovery issue is seen with Dynamic WEP profiles.

New features added:

- WLAN FIPS 140-2 Certification.
- Registry based GPD support. User will be able to export registry based GPD file in the Options "export file wizard" UI. Only if the "Delete file on successful import" option is not selected will the option to export to a .REG file in addition to the default .GPDEXPORT file be made available in the "Export to file" dialog. Import will occur automatically on reboot following a manual regmerge, and will occur automatically during same boot of automated regmerge.
- 5GHz Regulatory Changes. Power Limit table has been modified in order to accommodate FCC changes to channel 36-48 output power for the US without impacting other countries which may have not yet adopted the new rules.

Fusion X2.01.0.0.050R, July 2013**Bugs Fixed:**

- SPR 23794 – Radio firmware recoveries occur (leading to WLAN disconnects).
- SPR 23661 – New fusion GPD file created when exporting fusion data stores does not modify the options contained in the export on a new "Out of Box" device.
- SPR 20750 – When starting the Wireless Configuration Editor if it is already running, the check for conflicts sometimes doesn't work properly.
- Lock up sometimes occurs during warm boot.
- Crash is seen occasionally when connected to network through WPA2 profile.
- Stack corruption occurs when querying SSID list when GenRAL NDIS command times out.
- Crash occurs in initialization of GPD.

Fusion X2.01.0.0.025E, October 2012**Bugs Fixed:**

- SPR 22958 - Steady decrease in memory availability causes the device to freeze or to be non-responsive.
- SPR 22904 – The device tested while stationary on a single RF band exhibits higher roams when comparatively tested against another user device.

Part Number and Release Date

N/A

September 01, 2015