MC31XX CE6.0 – V05.37.02 RELEASE NOTES

INTRODUCTION

The MC3100 Rev E Software offers the following enhancements over Rev D Software:

· Built with November 2013 QFE Base.

· Added HTTPD support.

· Added SONY Display support.

DESCRIPTION

General Enhancements/Fixes in 05.37.02:

· Fusion Radio SW suite updated to v3.00.2.0.032R.

· Air Beam Client updated to v7.08.42

· MSP Agent updated to v7.08.42

· RD Client updated to v7.08.42

This software release has been tested on MSP 3.3 and passed MSP Compliance

· Included DataWedge v3.6.8

· Included Pre-Licensed version of Wave Link Client v7.3.146.

· Stone Street One - BTExplorer 2.1.1 Build 27990.

· PAGE POOL size has been increased to 5MB on CE device.

· Updated SMSC driver for New 4-slot Ethernet cradles.

· Added Document Capture Feature [Document Capture v2.0] with new PixDLL v5.15.13.130

· General Scanner Performance Improvements with Decoder1d to v5.1.13.1.

· Added configuration support to handle SE960I and SE950I Scan Engines.

· Scan Decode LED Time is reduced to 500ms.

Note:
By Default "OSUpdate/AirBEAM" packages will NOT perform Cleaning of the Application partition, "OSUpdate Package" zip file will contain file "CleanAppl.hex" for "Cleaning Application" but by default the entry will be commented in the "3100c60Ben.txt", If the User wants to clean the Application partition, user should enable "CleanAppl.hex" file name in the "3100c60Ben.txt" and copy the file with updated "3100c60Ben.txt" into respective folder in the device before running update process.
If any patches have previously been installed that they should either be removed prior to updating the OS Or the "CleanAppl.hex" should be included in OSUpdate package to ensure those older patches are no longer installed.
3100 Specific Fixes Rolled in Included:
· SPR22027 – Resolved an issue where in with or without pick list enabled, the imager most of the time scans wrong barcode.:

· SPR24213 – Resolved an issue where by multiple key pressing cause keyboard stuck and one key repeats in the loop till reboot.

· SPR19313 – Added registry key to prevent the SD card from un-mounting when removing the battery.

· SPR21081 – Resolved an issue to show correct printer name in the registry.

· SPR19650 – Resolved an issue where by battery part numbers were reported incorrectly.

· SPR23220 – Resolved an issue with SS1 Bluetooth stack, where in Bluetooth connection was lost when using Audio Gateway or Headset profile.

· SPR23279 – Resolved issue where in Bluetooth Explorer crashes when switching between Wizard/Explorer modes.

· SPR22761 – Resolved an issue whereby the device locks up when trying to access the "www.motorola.com/enterprise" web link in IE.

· SPR23015/23049/23623 – Resolved key repeat issue caused due to missing Key_UP event.

· SPR22012/21747 – Resolved an issue where by the trigger on the gun device does not work when the keyboard is disabled via CtlPanel.

· SPR21940/21706 – Resolved an issues where by opening COM port either by Serial App Or Pocket Browser meta tag causes to show junk characters..

· SPR22214 – Resolved an issue with Imager APIs, whereby the Camera took lot of time to take a picture.

· SPR24119 – Resolved an issue where by Bluetooth connection was getting terminated after 24 hours of active connection.

· SPR20717 – Resolved an issue whereby the Blue and Orange function keys were not indicating the respective key state.

· SPR21180/ SPR22372/ 23079 – Resolved Imager API issue whereby the camera driver returned Fragmented images.

· SPR19505 – Resolved Serial communication issue whereby at baud of 2400 (or 1200) communication does not work correctly.

· SPR20999 – Resolved an issue whereby the Datawedge stops scanning.

· SPR20467 – Resolved an issue with "SetRegistryContext".

· SPR21794 – Resolved an issue whereby the Gain adjustments were not persistent after a timeout suspend.

· SPR21954 – Resolved a BT Explorer issue seen on Stone Street stack when the device moves from trusted to untrusted during reboot.

· SPR24105 – Resolved EMDK compatibility issue seen with calling EMDK Battery API with SMART_BATTERY_STATUS_STRUCT structure.

· SPR23994 – Resolved an issue whereby the Illumination goes off after 5 to 10 scans with Pick list ON.

· SPR23889 – Send data option now has settings to convert data to uppercase or lowercase.

· SPR23081 – Treat data as binary option now has a setting to treat all the data as ASCII data.

· SPR24932 – Resolved an issue with Radio Button showing Half Diamond shaped instead of circular buttons.

·   SPR24521 – Resolved an issue whereby device Locks up when using SAP web page in IE.

·   SPR23463 – Resolved an issue with IE whereby disabled checkbox looks same as enabled.

·   SPR23727 – Resolved an issue with Mobile unit where it occasionally halted when it is suspended and Red LED blinks continuously.

·   SPR23184 – Resolved an issue to persist ratio size between programs and storage memory through a registry key which persist over cold boot.

·   SPR22281 – Resolved an issue on Korean OS whereby the Internet Explorer does not show the "Delete Browsing History" button.

·   SPR21817 – Microsoft resolved an issue whereby the double click was not functional on Remote Desktop.

·   SPR22765 – Resolved a device hang issue seen when a creating a new network connection and enabling "Preview user name and password" setting.

·   SPR23284 – Resolved cetsc.exe exception issue seen on BSP32 when used with Appcenter.

·   SPR23352 – Resolved a lock up issue seen in a sequence whereby a USB device where it doesn't find the drivers and an unidentified USB device error is shown and then the device is suspended.

·   SPR21371 – Microsoft resolved an RDP issue whereby it doesn't show the reconnect message immediately after disconnection.

·   SPR19193 – Resolved an issue whereby there were two IME toolbars seen.

·   SPR22059 – Resolved an issue whereby Data compression was not functional.

·   SPR23637 – Microsoft resolved Remote Desktop Client - UI issue, whereby pinned UI controls duplicate and obscure the working area of RDP.

·   SPR21902 – Resolved an issue whereby certain drop-down menu items or radio buttons using stylus could not be selected.

·   SPR20629 – Resolved an issue whereby clearing IE browsing history through "Delete browser history" option would stay on showing hourglass.

·   SPR23037 – Added support for HTTPD (Web server).

WLAN- Release Notes v3.00.2.0.0032R:
·   SPR19081 – Resolved Audio Popping issue seen when playing Wav Files

·   SPR23692 – Resolved an issue whereby the Fusion radio is unavailable when resuming after several suspends.

·   SPR23318 – Resolved an issue whereby the Fusion stops communicating after some time and no more probe requests are sent from terminal.

·   SPR21411 – Resolved an issue whereby the device does not send DHCP decline after a duplicate IP address is detected.

·   SPR 20363 – Resolved an issue whereby WLAN roams frequently in an environment where AP beacons are sent at 11 Mbps.

·   SPR 20889 – Resolved an issue whereby a Large percentage of beacons are missed at times on device.

·   SPR 21228 – Resolved an issue whereby the device does not get an IP address if the mixed mode configuration is changed in AP after device gets connected.

·   SPR 20750 – Resolved an issue whereby the dialog box loses focus when using Fusion to config a profile on Mobile Terminal without touch panel.

·   SPR 22246 – Resolved an issue whereby Connecting or disconnecting WAN data connection on the device causes fusion connection to be disrupted until the device re-associates to the AP.

·   SPR 21898 – Resolved an issue seen whereby after performing a cold boot the device does not connect to the network.

·   SPR 24124 – Resolved an issue whereby an RDP session locks up after several roams.

·   SPR 24125 – Resolved an issue seen on the device whereby a Fusion Supplicant triggers continuous EAPOL Start request.

·   SPR 24127 – Resolved an issue whereby on the device, it does not initiate authentication while connecting to a profile on resume.

· SPR 23318 – Resolved an issue whereby there are no data packets sent receiving deauth.

· SPR 24648 – Updated U-APSD settings by default set to Disable.

· SPR 23227 – Resolved an issue whereby Fusion logs are displaying garbage characters while printing friendly names of the APIs.

· SPR 24721 – Resolved an issue whereby Fusion Supplicant crashes occasionally after receiving M1 from the authenticator.

Scanner/Imaging SPR's Included:
· SPR23241 – Added support for QR FNC1 Barcode Symbology.

· SPR21692 – Resolved an issue whereby disabling adaptive scanning at start up was not working when configured to be disabled through a registry key.

· SPR22117 – Resolved an issue where a 1D SE-960 scan engine is not meeting the spec.

· SPR22625 – Narrow beam is set as default for Lorax.

· SPR22754 – Resolved an issue whereby the Code39 does not scan with large space/gap in a barcode.

· SPR23710 – Improved the Scanning Performance for SE960 and SE950 scan engines.

· SPR21239 – Resolved scanning issue seen on Lorax – when using through DataWedge where is stops scanning.

Known Issues:
· WHILE DOWNGRADING FROM BSP 05.37.XX /BSP 04.32.XX /03.26.XX /BSP 02.17.XX TO BSP 01.10.06, DEVICE WILL WARM BOOT AND A LOW MEMORY POP MAY APPEAR. PLEASE PERFORM COLD BOOT TO BRING BACK THE DEVICE TO ORIGINAL STATE.

· WHILE DOWNGRADING FROM BSP 05.37.XX /BSP 04.32.XX /03.26.XX TO BSP 02.17.06, ABORT/RETRY SCREEN WILL APPEAR. USER SHOULD CHOOSE ABORT. A LOW MEMORY POP MIGHT SHOW ON THE DEVICE AFTER THE WARM BOOT. PLEASE PERFORM COLD BOOT TO BRING BACK THE DEVICE TO ORIGINAL STATE.

· DURING UPGRADE, DISPLAY GOES TO OFF STATE IF THE DEVICE IS NOT CONNECTED TO AC POWER AND "TURN OFF DEVICE IF NOT USED FOR X MINUTE" IS SET ON POWER SETTINGS APPLET. DISPLAY CAN BE TURNED ON BY PRESSING POWER KEY, UT OSUPDATE PROGRESS BAR CANNOT BE SEEN. TO WORKAROUND THIS ISSUE, BEFORE UPGRADING MAKE SURE YOU UNSELECT "TURN OFF DEVICE IF NOT USED FOR X MINUTE" OPTION IN POWER SETTINGS APPLET.

· DURING UPGRADE OR DOWN GRADE, IF UPGRADE DOESN'T SUCCEED THEN A LOW STORAGE MEMORY WILL POP UP THE DEVICE SCREEN. TO WORKAROUND THIS ISSUE, COLD BOOT THE DEVICE. PROGRAM AND STORAGE MEMORY WILL RESET BACK TO ORIGINAL STATE.

· IF DEVICE SHOWS LOW MEMORY WHILE COPYING OSUPDATE FOLDER TO \TEMP, DELETE ALL THE CONTENTS OF THE APPLICATION FOLDER AND COLD BOOT THE DEVICE.

· NOT ABLE TO OPEN THE DRIVE FROM HOST PC WHEN USB CONFIG APPLET IS CONFIGURED AS MASS STORAGE AS PLATFORM\APPLICATION. TO WORKAROUND, INSTALL MICROSOFT UPDATE FOR WINDOWS XP (KB955704) AND RESTART PC.
· WORKAROUND TO FIX POP SOUND AT THE BEGINNING OF A RECORDING. THE FOLLOWING REGISTRY KEY SHOULD BE SET TO ENABLE IT

        [HKLM\DRIVERS\BUILTIN\WAVEDEV]
        "ADCMICBIASPOWERALWAYSON" =1
   IT MAY NOT COMPLETELY ELIMINATE THE POP. IT SHOULD MINIMIZE THE POP FOR BOTH INTERNAL MICROPHONE AND WIRED-HEADSET MICROPHONE.

NOTES:

· LOW MEMORY DEVICES (128 MB RAM/ 512 MB FLASH) MUST BE COLD BOOTED BEFORE STARTING UPGRADES

CONTENTS

- 3100c60BenUP053702.zip – OSUpdate Package v05.37.02

- 3100c60BenAB053702.APF – AirBEAM Package v05.37.02

- 3100c60BenOS053702.hex – OS v05.37.02

DEVICE COMPATIBILITY

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

Device	Operating System
MC31xx	Windows CE 6.0 Professional

INSTALLATION REQUIREMENTS

MC31xx device must contain release version of CE6.0 (02.17.06 or 01.10.06 or 03.26.02 or 04.32.03 or 04.32.04) software.

INSTALLATION INSTRUCTIONS

For Upgrade

Upgrade from Rev A (01.10.06)/Rev A.1 (02.17.06)/Rev C (03.26.02) / Rev D (04.32.03) / Service Release(04.32.04)to Rev E (05.37.02) through \Temp

- Unzip **3100c60BenUP053702.zip** upgrade package to local desktop.
- Copy **OSUpdate** folder and all its contents to **\Temp** of the device.
- Run **3100c60Ben_TEMP** shortcut from **\Temp\OSUpdate** folder to start the update process.
- The update will takes approximately 2 minutes.

Upgrade from Rev A (01.10.06) / Rev A.1 (02.17.06) / Rev C (03.26.02)/ Rev D (04.32.03) / Service Release (v04.32.04) to Rev E (05.37.02) through \Storage Card

- Unzip **3100c60BenUP053702.zip** upgrade package to local desktop.
- Copy **OSUpdate** folder and all its content to root folder on SD card.
- Insert the SD card into a SD slot on a device.

- Run **3100c60Ben_SD** shortcut from **\Storage Card\OSUpdate** folder to start the update process.
- The update will takes approximately 2 minutes.

For Downgrade

Downgrade to Rev A (01.10.06) from Rev E (05.37.02) through \Temp

- Unzip **3100c60BenUP011006.zip** upgrade package to local desktop.
- Copy **OSUpdate** folder and all its contents to **\Temp** of the device.
- Run **3100c60Ben_TEMP** shortcut from **\Temp\OSUpdate** folder to start the update process.
- The update will takes approximately 2 minutes.

Downgrade **to Rev A (01.10.06) from Rev E (05.37.02) through \Storage Card**
- Unzip **3100c60BenUP011006.zip** upgrade package to local desktop.
- Copy **OSUpdate** folder and all its content to root folder on SD card.
- Insert the SD card into a SD slot on a device.

- Run **3100c60Ben_SD** shortcut from **\Storage Card\OSUpdate** folder to start the update process.
- The update will takes approximately 2 minutes.

Downgrade **to Rev A.1 (02.17.06) from Rev E (05.37.02)through \Temp**
- Unzip **3100c60BenUP021706.zip** upgrade package to local desktop.
- Copy **OSUpdate** folder and all its contents to **\Temp** of the device.
- Run **3100c60Ben_TEMP** shortcut from **\Temp\OSUpdate** folder to start the update process.
- The update will takes approximately 2 minutes.

Downgrade **to Rev A.1 (02.17.06) from Rev E(05.37.02) through \Storage Card**
- Unzip **3100c60BenUP021702.zip** upgrade package to local desktop.
- Copy **OSUpdate** folder and all its content to root folder on SD card.
- Insert the SD card into a SD slot on a device.

- Run **3100c60Ben_SD** shortcut from **\Storage Card\OSUpdate** folder to start the update process.
- The update will takes approximately 2 minutes.

Downgrade **to Rev C (03.26.02) from Rev E (05.37.02) through \Temp**
- Unzip **3100c60BenUP032602.zip** upgrade package to local desktop.
- Copy **OSUpdate** folder and all its contents to **\Temp** of the device.
- Run **3100c60Ben_TEMP** shortcut from **\Temp\OSUpdate** folder to start the update process.
- The update will takes approximately 2 minutes.

Downgrade **to Rev C (03.26.02) from Rev E (05.37.02) through \Storage Card**
- Unzip **3100c60BenUP032602.zip** upgrade package to local desktop.
- Copy **OSUpdate** folder and all its content to root folder on SD card.
- Insert the SD card into a SD slot on a device.

- Run **3100c60Ben_SD** shortcut from **\Storage Card\OSUpdate** folder to start the update process.
- The update will takes approximately 2 minutes.

Downgrade **to Rev D (04.26.02) / Service Release (04.32.04) from Rev E (05.37.02) through \Temp**

- Unzip **3100c60BenUP032602.zip** upgrade package to local desktop.
- Copy **OSUpdate** folder and all its contents to **\Temp** of the device.
- Run **3100c60Ben_TEMP** shortcut from **\Temp\OSUpdate** folder to start the update process.
- The update will takes approximately 2 minutes.

Downgrade **to Rev D (04.26.02) / Service Release (04.32.04)from Rev E (05.37.02) through \Storage Card**
- Unzip **3100c60BenUP032602.zip** upgrade package to local desktop.
- Copy **OSUpdate** folder and all its content to root folder on SD card.
- Insert the SD card into a SD slot on a device.

- Run **3100c60Ben_SD** shortcut from **\Storage Card\OSUpdate** folder to start the update process.
- The update will takes approximately 2 minutes.

PART NUMBER AND RELEASE DATE

February 18, 2014

3100c60BenAB053702.APF

3100c60BenOS053702.hex

3100c60BenUP053702.zip