

# PX750\_WM61\_1.0.830

## Software Release Notice

6/25/2010

Release Date: 2010.06.25

### Release Images: Part #

Released @ Iteration 3

PX750\_WM61\_CLA\_WWE\_1.0.830\_F040x [1099006]

### Release History:

7505\_WM61\_CLA\_KOREAN\_2.1.724 (WM61.724.1 Released@2009-05-07)

7527\_WM61\_CLA\_WWE\_1.0.659 (WM61.659.5 Released@2009-03-09)

7505\_WINCE\_5\_MULTI\_4.0.626 (7505.626.4 Released@2008-11-06)

7505\_WINCE\_5\_MULTI\_3.0.598 (7505.598.5 Released@2008-07-21)

7505\_WINCE\_5\_MULTI\_2.0.585 (7505.585.1 Released@2008-05-09)

7505\_WINCE\_5\_MULTI\_0.4.578 (7505.578.3 Released@2008-04-15)

7505\_WINCE\_5\_MULTI\_0.3.568 (7505.568.2 Released@2008-03-18)

7505\_WINCE\_5\_MULTI\_0.1.536 (7505.536.4 Released@2008-02-19)

### Build Dependencies:

px750PCon [858.1] Server Build Jun 01

px750Keyboard [859.1] Server Build Jun 01

px750BooSt [857.1] Server Build Jun 01

WWAN Component: 829.1\_C180p ~ components/wwan/WWAN\_WM5.zip 1.8

DevicescapeAgent: 828.1\_1.5.3679

BTRestore Tools.711.1 [3.0.711\_C099o] ~ components/BTRestore/BTRestore\_WM5.zip 1.2

AKU 1.5.75

7505PCon [830.1] Server Build Mar 24

7505BooSt ~ fpga 5.7

7505BooSt [830.1] Server Build Mar 24

### Special Instructions

- 1 The following apps has been sanity tested against Neo build 830:
- \* OTT - build 814 (C030q) and OTT\_WM\_4.20.791\_J299p.CAB
  - \* MCC - version 6.03 Build 3664
  - \* ARC - Version 2.7.1.2340 and 3.0.1.2366
  - \* Naurtech browser - OEM\_NAURTECH\_CETERM\_WM6\_4.0.674\_v5.5.1 [1098757]
  - \* ICS - Component.831.4 [WinCEImagers\_14.5.4896]

## SOFTWARE CHANGES

This section provides a list of software changes made since the last Release.

### 830.1

[PRJ 111 \(7505pocketpc, 7527pocketpc, bohicawince, wwan\) Update GPRS operator database](#)

[PRJ 115 \(7505pocketpc, 7527pocketpc, bohicawince\) Correct exception in error log service.](#)

[PRJ-115 \(7505pocketpc, 7527pocketpc, bohicawince\) Bluetooth: Ported changes from Stingray.](#)

[PRJ-115 \(7505pocketpc, 7527pocketpc, bohicawince, wwan\) Update GPRS operator database](#)

[PRJ-115 \(7505pocketpc, 7527pocketpc, bohicawince, wwan\) Update GPRS operator database](#)

[SCR-19134: WBS-741: WWANUI did not display new sms icon or notification in the system tray after device wakes up from suspend](#)

[SCR-19866: Improve Bluetooth on Windows CE 5.0 platform.](#)

[SCR-20058: \(WM6.1\) IKON Traditional Chinese decode code 39 barcode, it shows the result is code 93](#)

[SCR-30130: Scanner: Allow scan good/bad beeps to be configurable by end user](#)

[SCR-30351: MD SDK not notifying of incoming SMS message when device wakes up from suspend](#)

[SCR-30362: ARC: Add delay before attempting to launch ARC Downloader on startup.](#)

[SCR-30389: SE955 fails to initialize on power up](#)

[SCR-30404: Bluetooth manager hangs trying to power on disabled Bluetooth hardware](#)

[SCR-30463: USB to Ethernet adapter does not detect network cable disconnection](#)

[SCR-30468: HopperPhoneFocus: refresh tool with the updated Hopper.exe binary](#)

[SCR-30518: WJ RFID: 'Connect' command fails on many devices](#)

[SCR-30525: WWAN: Add support for Cinterion MC75i modems](#)

[SCR-30541: Checkin latest version of totalrecall component](#)

[SCR-30550: "Enable auto-connect for" drop down does not list newly created data connections](#)

[SCR-30551: "Enable auto-connect for" does not auto connect without manually initiating connection first](#)

[SCR-30571: Hermes: Add API for commonly used error handling functions](#)

[SCR-30614: WWAN: Improve reliability of packet data attach for Siemens HC25](#)

[SCR-30622: RIL - Add support for Cinterion MC75i modem](#)

[SCR-30626: The GSM couldn't back to enable unless enable it manually or warm reset the device after shutdown the device then replug the SIM and resuming the device](#)

[SCR-30637: Hermes: Rework control panel UI.](#)

[SCR-30638: Update RRS barcode menu options to GS1 Databar in SCS and ICS.](#)

[SCR-30647: \[WM6.1\]The UI of "Notification" tab in "Sound & Notification" has overlap and the dropdown lists are empty](#)

[SCR-30689: DSC: Clean up the error handling service](#)

[SCR-30712: RIL: Band selection does not work for MC75i](#)

[SCR-30717: Decrease MIC gain in Speaker Phone mode for HC25 rel 2 in order to address echoing.](#)

[SCR-30719: Adjust MC75 audio settings to improve Handset performance.](#)

[SCR-30726: 7505 Pro \(WM6.1\): Changed Date and Time and being saved to RTC after terminal warm resets \(LTK 9310\)](#)

[SCR-30730: WM6.1: ikon Pro: Terminal do not accept password input until the modem finish initializing](#)

[SCR-30735: DSC: Enable the error handling service](#)

[SCR-30738: WindowDialog: dialog helper class not correctly destroyed on exit, which can result in crashing on dialog-close](#)

[SCR-30756: WWAN: Improve debugging of SIM-related problems](#)

[SCR-30771: Disabling of the Power Management Dialogue box not working properly](#)

[SCR-30774: Unable to turn on USB Hub when HC25 radio is nont configured in BooSt](#)

[SCR-30781: The I2C driver should not be loaded twice on Windows Mobile 6 devices](#)

[SCR-30788: Add Bluetooth HID profile support to WinCE 5.0](#)

[SCR-30792: Update Bluetooth Manager language translations.](#)

[SCR-30801: Update WWAN component to the release 769.1](#)

[SCR-30808: WWAN: Avoid driver lock-up with Siemens HC25](#)

[SCR-30813: CE5.0: After clean start OS, scanning mode behavior of SE955 scanner is inconsistent with what's being configured in SCS](#)

[SCR-30817: Cannot build Windows Mobile on PCs with MKS Toolkit 9.2.3 installed.](#)

[SCR-30819: WWAN: Incorrect voice muting when retrieving waiting call for MC75/MC75i](#)

[SCR-30832: Allow the option for AGPS to establish a data connection for WWAN devices.](#)

[SCR-30855: 7505 ce5 mc75v4 Suspend mode SMS message is checkable only by Warm resetting the device or receiving a waking up mode SMS message](#)

[SCR-30865: Support Marvell SDIO8686 Radio on iKon](#)

[SCR-30868: Localization: New BT Manager requires further tranlation](#)

[SCR-30870: Add Registry entries to recognize Device id 3 as Cradle Modem](#)

[SCR-30872: os is up and runnnig but mfg application is not started](#)

[SCR-30875: RA2041: Radio does not power back on if the CF slot is disabled and enabled quickly in Power Properties](#)

[SCR-30876: Issues opening GPS serial port COM2](#)

[SCR-30877: WWAN: Correct Coverity warnings](#)

[SCR-30885: WWAN radio shuts down in suspend](#)

[SCR-30888: Bluetooth Manager: Available serial port list shows all ports.](#)

[SCR-30902: Add a flag in Boost to convert Cold Reset to Clean Reset](#)

[SCR-30903: Update add-on cab version number for WM 6.1 images.](#)

[SCR-30905: Correct the loading of I2C driver on 7527 WM 6.1.](#)

[SCR-30910: Fix buffer overflow in supplied CLM code](#)

[SCR-30916: WBS-741: Unable to bring the WWANUI back to the foreground from the systemtray](#)

[SCR-30920: Ikons with CE5 and HC25 R1 hang when running the PVV or Hammer suspend resume test.](#)  
[SCR-30930: Hermes: Split header file according to API, IOCTL and log functionality](#)  
[SCR-30932: RA2041: Integrate Summit 2.02.24 driver](#)  
[SCR-30935: WWANUI: Avoid potential race condition](#)  
[SCR-30947: Scan angle defaults back to normal.](#)  
[SCR-30959: RIL: PAP Authentication fails with HC25 v 2.05](#)  
[SCR-30962: WBS-741: Voice call remained connected on SUSPEND when WiFi is enabled](#)  
[SCR-30965: Move multi-image building scripts to common/shared location.](#)  
[SCR-30985: WWAN: PAP Authentication fails with HC25 v 2.05](#)  
[SCR-31016: Bluetooth: Bluetooth Manager lockup when Bluetooth turned off for Windows Mobile.](#)  
[SCR-31036: Bluetooth: Bluetooth Service IOCTL does not return when the Bluetooth is off from the beginning.](#)  
[SCR-31037: WM61 798.1 Mc75i/Mc75 Phone Settings no response after the tab Diagnostics Opening and Closing before the data updated completely](#)  
[SCR-31050: Add support for Neo -400 board \(624 MHz\)](#)  
[SCR-31059: Fix BTUART error handling of read failures](#)  
[SCR-31092: Update to the 793.2 WWAN component.](#)  
[SCR-31093: Back-up the latest checkin for Summit driver 2.02.24 and go back to 2.01.59 version.](#)  
[SCR-31103: WWAN: Allow data connection with HC25 Rel. 2 and certain USIMs](#)  
[SCR-31129: WM61 Pro 7527 WAP3 Clean reset making mc75/mc75i radio disable](#)  
[SCR-31133: Dr. Debug header file problems.](#)  
[SCR-31142: Bluetooth: Add support for NetworkPolicy Configuration in WM6.1](#)  
[SCR-31143: Newer WM6.1 OS builds have a new IE Mobile and the text is both too small to read and can not be changed.](#)  
[SCR-31147: Update WWAN component on main for WM 6.1 WAP3 support.](#)  
[SCR-31165: Migrate HC25 V2 audio settings to audio parameters](#)  
[SCR-31238: Include certificate enrollment utility enroll.exe for Windows Mobile](#)  
[SCR-31247: Wake On AC Power not functioning correctly against an IKON](#)  
[SCR-31249: The state of the incoming call is not updated correctly if call is received in suspend.](#)  
[SCR-31271: Create scripts to enable configurable boot device](#)  
[SCR-31281: RIL - Add support for Windows Mobile 6.5](#)  
[SCR-31293: Neo enhancement; Add support for HHP in Boost and OS](#)  
[SCR-31325: Add support for TrioRail TRM-3a GSM-R module](#)  
[SCR-31356: Add px750pocketpc to proj](#)  
[SCR-31388: Update WWAN component for upcoming full release of 7505pocketpc.](#)

### **830.2**

[SCR-31272: Detect, and report, battery is approaching EOL.](#)  
[SCR-31401: NEO Fails Image Update LTK Tests](#)  
[SCR-31424: Date and time return to default after being set.](#)  
[SCR-31448: Enroll.exe missing in Neo Classic](#)  
[SCR-31457: WM61 830 Neo Classic failed LTK test case 7016 DirectDraw Test.log](#)  
[SCR-31463: WM61 830 Neo Classic failed LTK test case 7000 Display driver IOCTLs](#)  
[SCR-31468: WM61 830 Neo Classic failed LTK test case 5076 Internet Explorer 6 mouse cursor behavior](#)  
[SCR-31489: Add USB Cradle Modem Driver to Add-On CAB](#)  
[SCR-31518: 624 MHz NEOs turn on without user intervention when removed while charging in quad chargers.](#)  
[SCR-31527: Wireless Statistics do not detect network card when Wi-Fi Config is used](#)  
[SCR-31556: Neo Classic missing NetLog from Dr. Debug](#)  
[SCR-31567: <Locked Blue+Enter> key combo should not be allowed to suspend Neo Classic](#)  
[SCR-31570: Neo classic do not show the "Suspend" box that prevents user from reume/suspending the terminal too quickly](#)  
[SCR-31647: Neo Classic: Custom settings needs to enable "Enber emulates d-pad action key" check box by default](#)

### **830.3**

[SCR-31343: Continuous Scan Mode fails after multiple resets](#)  
[SCR-31626: Neo Classic do not turn on intermittently after over night suspend/resume test with active Wifi connection](#)  
[SCR-31712: Neo Classic wakes up \(device turns on\) after midnight](#)

[SCR-31727: Message box text cut off on Add-on Cab installation](#)

[SCR-31770: Neo Classic: Scan dot stays on after suspend when scan mode set to "Aim with Scan: 2 trigger pulls"](#)

[SCR-31774: Keyboard Controller has same I2C address as HHP Imager](#)

## CONFIGURATION PARAMETER CHANGES

This section provides a list of configuration / parameters changes made since the last Release.

### 830.1

[SCR-30637.10 \(7505pocketpc, 7527pocketpc, bohicawince\) Rearrange Hermes control panel tab order. Add registry keys to allow hiding tabs.](#)

Parameters:

[HKEY\_LOCAL\_MACHINE\ControlPanel\Ehs]  
"Group"=dword:1  
"Hide"=dword:0  
"UseRegTabs"=dword:1

[HKEY\_LOCAL\_MACHINE\ControlPanel\Ehs\100]  
@="Status"  
"TabIndex"=dword:0  
"Hide"=dword:0

[HKEY\_LOCAL\_MACHINE\ControlPanel\Ehs\200]  
@="Settings"  
"TabIndex"=dword:1  
"Hide"=dword:0

[HKEY\_LOCAL\_MACHINE\ControlPanel\Ehs\300]  
@="Utilities"  
"TabIndex"=dword:2  
"Hide"=dword:0

[SCR-30647 \(7505pocketpc, 7527pocketpc\) Update Windows Mobile 6.1 builds to AKU 1.5.75.](#)

Configuration:

System environment variable WMROOT600\_DIR should be updated to point to the installation directory of the new AKU (default C:/WM61570).

[SCR-30717 \(7505pocketpc\) HC25R2 - Reduce microphone gain in speaker mode to pass approval](#)

Parameters:

[HKEY\_LOCAL\_MACHINE\Software\RIL\HC25\Audio\HC25\2\Speakerphone]  
"SNFImicAmp2"=dword:4

[HKEY\_LOCAL\_MACHINE\Software\RIL\HC25\Audio\HC28\1\Speakerphone]  
"SNFImicAmp2"=dword:4

[SCR-30719 \(7505pocketpc, 7505WinCE\) MC75 - Corrected audio settings for Handset mode](#)

Parameters:

Reduced radio output 12dB:

RIL:  
[HKEY\_LOCAL\_MACHINE\Software\RIL\Audio\Handset]  
"BbcGain"=dword:2 (0 = 0 dB , 1 = -6dB , 2 = -12dB , 3=-18dB, 6dB steps)

WWAN:  
[HKEY\_LOCAL\_MACHINE\Drivers\BuiltIn\WaveDev\WWAN\Siemens\MC75\Handset]  
"BbcGain"=dword:2

Added 6dB on the codec:

RIL:  
[HKEY\_LOCAL\_MACHINE\Drivers\PisionTeklogix\WWAN\MC75\WaveDev]  
"GSMVolumeMin"=dword:A  
"GSMVolumeMax"=dword:0

	WWAN: [HKEY_LOCAL_MACHINE\Drivers\PisionTeklogix\WWAN\MC75\WaveDev] "GSMVolumeMin"=dword:A "GSMVolumeMax"=dword:0		
<a href="#">SCR-30730 (7505pocketpc) RIL- Added RetriesForECCAccess in the registry</a>			
Parameters:			
	[HKEY_LOCAL_MACHINE\Software\Microsoft\RIL\HC25] "RetriesForECCAccess"=dword:2		
<a href="#">SCR-30832 (7505pocketpc) Updated A-GPS downloader to attempt data connection with Connection Manager.</a>			
Configuration:			
	The following registry key configures the connection timeout value (default is 60 seconds):  [HKEY_LOCAL_MACHINE\Drivers\BuiltIn\AGpsDownloader\Config] "ConnectionTimeout"=dword:3C		
<a href="#">SCR-30870 (bohicawince, px750boost, px750pcon) Added docking port ID=3 for the single dock with modem cradle.</a>			
Parameters:			
	The following registry keys were added: [HKEY_LOCAL_MACHINE\Services\TekDTSvc\DockPort3] "FriendlyName"=mui_sz:"TekDTSvc.dll,#187" "Icon"="TekDTSvc.dll,-307" "SmallIcon"="TekDTSvc.dll,-307" "SDKDescription"="Single Dock with Modem"		
<a href="#">SCR-30932 (7505pocketpc, 7527pocketpc, bohicawince, sdkwince, wintermx) RA2041: Integrated 2.02.24 Summit driver version for RA2041 radio</a>			
Configuration:			
	Populate power saving mode to newly created profiles (CAM = 0, Max = 1, Fast = 2). [HKEY_LOCAL_MACHINE\Comm\SDCCF10G1\Parms\Configs\DefaultConfigSettings] "PowerSave"=dword:0		
<a href="#">SCR-30959 (7505pocketpc, 7527pocketpc) RIL - Configure the PPP authentication method on the module</a>			
Parameters:			
	[HKEY_LOCAL_MACHINE\Software\Microsoft\RIL] "SetGPRSAuthentication"=dword:3 ; //CHAP and PAP (CHAP first)  These values are possible: 1: PAP only 2: CHAP only 3: CHAP and PAP (CHAP first)		
<a href="#">SCR-31093 (7505pocketpc, 7527pocketpc, bohicawince, wintermx) Back-up the latest checkin for Summit driver 2.02.24 and go back to 2.01.59 version.</a>			
Parameters:			
	The following registry key was removed: [HKEY_LOCAL_MACHINE\Comm\SDCCF10G1\Parms\Configs\DefaultConfigSettings] "PowerSave"=dword:0		
<a href="#">SCR-31129 (7505pocketpc, 7527pocketpc, bohicawince) RIL - Delay MC75 RIL start time to meet some module timing requirements</a>			
Parameters:			

[HKEY\_LOCAL\_MACHINE\Software\Microsoft\RIL\MC75]  
"MinFirstStartTick"=dword:13880 ; 80 sec

[SCR-31247 \(7505pocketpc\) Allow external power to wake the iKon from suspend when configured.](#)

Parameters:

[HKLM\System\CurrentControlSet\Control\Power]  
"WakeupEnables":dword (|= 1 to set external power as wakeup)

[SCR-31249 \(7505pocketpc, 7527pocketpc\) RIL - Disable SLCC if multiplexer is not used](#)

Parameters:

Disable ^SLCC when mux is not used:  
[HKEY\_LOCAL\_MACHINE\Drivers\PisionTeklogix\WWAN\HC25\RIL]  
"EnableSLCC"=dword:0

Enable ^SLCC when mux is used (mux is needed when HC25 built-in GPS is used)  
[HKEY\_LOCAL\_MACHINE\Drivers\PisionTeklogix\WWAN\HC25R2\RIL]  
"EnableSLCC"=dword:1

**830.2**

[SCR-31272 \(bohicawince, px750pcon\) Add cycle-counting to WA3006 battery packs on Neo. for use by a new Battery Quality service](#)

Configuration:

The service is configured using the following keys:  
[HKEY\_LOCAL\_MACHINE\Services\BatteryStatus]  
"Dll"="BatteryStatusService.dll" ; Settings used by Services.exe  
"Prefix"="BSS"  
"Keep"=dword:1  
"Order"=dword:B  
"Index"=dword:0  
"DisplayName"="Battery Status Service"  
"Description"="Service for monitoring and displaying battery quality"  
"Flags"=dword:0 ; Enable service by default. Set to 4 to disable

; Flag to allow customer to control whether the pop-up Battery State dialog appears on each power-on  
"ShowPopupOnResume"=dword:1 ; If 0, no dialog shown

; Amount of time GUI keeps the Battery State dialog on display (one value per age band)  
"ShowWhenNew"=dword:4 ; (in seconds)  
"ShowWhenUsed"=dword:7  
"ShowWhenOld"=dword:A  
"ShowWhenUnknown"=dword:0

; When cycle count exceeds these thresholds, pack moves to next age level  
"CycleThreshUsed"=dword:12C ; 300 (Customers should tune these  
"CycleThreshOld"=dword:190 ; 400 values to suit their site)

[SCR-31567 \(px750pocketpc\) Disable suspend button if blue-lock enabled](#)

Parameters:

The following registry key has been removed:  
[HKEY\_LOCAL\_MACHINE\HARDWARE\DEVICEMAP\KEYBD]  
blueLockEnSuspend"=dword:1

[SCR-31647 \(px750pocketpc\) Remap enter key to action key by default](#)

Parameters:

Removed the registry key:  
[HKEY\_LOCAL\_MACHINE\HARDWARE\DEVICEMAP\KEYBD\scanCodeRemapNormal]  
"0x003C"=dword:001c000d  
Added the registry key:

[HKEY\_LOCAL\_MACHINE\HARDWARE\DEVICEMAP\KEYBD\scanCodeRemapNormal]  
"0x001F"=dword:001c000d

**Limitations - Urgent or High priority**

SCR #	Description	Priority	Severity
<a href="#">31953</a>	Allow scan trigger double-click to generate virtual keys. (SCS)	High	Important
<a href="#">31866</a>	Disable Word Completion in Windows Mobile based devices	High	Serious
<a href="#">31858</a>	SDIO8686: Air Fortress does not work with SDIO8686 radio driver	High	Important
<a href="#">31837</a>	Inadvertent terminal shutdown without low battery warning message showing.	High	Serious
<a href="#">31753</a>	Bluetooth: Printer port is not function properly (multiple issues listed in description paragraph)	High	Important
<a href="#">31335</a>	DSA: WPA2 AES CCKM does not work	High	Important

**Limitations - Medium or Low priority:**

[31745](#) [31717](#) [31720](#) [31934](#) [31942](#) [31961](#) [31964](#) [31719](#) [31748](#) [31632](#) [31962](#) [31965](#) [31764](#) [31422](#) [31580](#)  
[31565](#) [31531](#) [31854](#) [18197](#) [31637](#) [31230](#) [30123](#) [31444](#)

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