



1. OS PPC2003

1.1. Current version

The current running version can be inquired by Warm Start (reset pinhole) or Cold Start (switch backup battery switch).

In the startup screen the version will be displayed in the lowest line of the screen;

100.0621	WWE	PA950
----------	-----	-------

'0621' indicates the version by Month and Day (21 June)

Or use the application available

<http://www.unitechnical.info/Products/PA950/Programs/Osversion.zip>

1.2. V20050215 (100_2001)

1. Run CAB file automatically from CF's AutoSetup folder or SD's AutoSetup folder after cold start.
2. Run EXE file automatically from CF's AutoSetup folder or SD's AutoSetup folder after cold start.
3. Fix: Sd folder disappear after cold-start/Warm start
4. Fix: Pa950 can not Warm Start (reset) successfully when RS232 is connected with RS232 (GPS)
5. Fix: Backup utility dialog appear too fast after cold start (shows 2 times)
6. Upgrade to USI version 2.66
7. Enhance : Idle mode power saving.

1.3. V20041215

1. Adjust; CPU idle mode in order to stabilize RF connection
RF connection disturbed while browsing internet or download files (1213)
2. Solved; WarmStart/Reset from software needed to be called twice in order to perform WarmStart. (1213)
This solved also the Hebrew font installation, since proper installation require 2 WarmStart
3. Fix; 0-key return Space in Alpha mode (1129)
4. Fix; Dot-key return / in Alpha Mode (1215)
5. Enhance; When Scan2Key was enabled when powering, it occasionally fails when powering on (1129)
6. Fix; Com1 required to open other Com port, like Scanner, in order to have communication, this issue is NOT addressing Active Sync (1129)
7. Pending; CeResyncFilesys, needs to be called twice. Bug reported to Microsoft
8. Adjust; Automatically ask if Backup should be Restored after Cold Start
9. Add debounce on battery cover switch

1.4. V20041119

1. Enhance; Changing SD driver to non-reload
2. Enhance; SD check ID before reload
3. Enhance; SD GetID API
(sample at http://www.unitechnical.info/products/pa950/programs/pa950_test.zip)
4. Enhance; ActiveSync performance tuning for PDA-->PC transfer. (2 ~ 3 times faster then previous)



1.5. V20041026(V1026)

1. Fix; Barcode setting restore fail after power-on :
2. Fix; CF card un-recognize : power-off functionality is disabled for 10 seconds after resume. This to prevent incomplete driver initialization and sleep again.
User cannot immediately power off PA950
3. Fix; SD/MMC file writing error after changing different card
4. Enhance; Power-off PA950 during writing data into SD/MMC card causes problem, therefore power off is holded.

1.6. V20041004(V1004)

1. Fix; RF Communication will not be stopped when using H/W keypad.

1.7. V20040915

1. Fix; While writing SD card and Power-Off, Power-On the terminal to hang.
2. Fix; API to set date/time
3. Enhance; Need to press power button 2 seconds to power off.
4. Enhance; Need to press reset button 2 seconds to activate Warm Boot.

1.8. V20040903(V0903)

1. Fix; RS232 communication for "MCL Link"
2. Enhance; Upgrade menu (Diagnostics) in English.
3. Fix; Built-in CF RF Lan card locks up when Hardware keypad is used
4. Enhance; Modify "Stuart" driver to improve IrDA file download (tested upto 2MB)

1.9. V20040803(V0803)

1. Updated driver for built-in RF card to fix "cannot re-connection when move out of coverage area and then move in"
This new driver can only be used with new RF card F/W (new version Zcom F/W is V1.8.1)

Important Note for PA950 with Built-in CF RF LAN Card

RF card will not work on PA950 if RF card F/W is old version.

More information on upgrading the Card F/W at

http://www.unitechnical.info/products/pa950/firmware/ZCom_FW_Update_UTI.pdf

2. New Card RF Card F/W will support Channel 12/13 in F/W v1.8.1
3. Modify EBOOT to disable debug RS232 (UART) to solve issue when for instance Serial GPS is connected (and have to do cold-start)
4. Modify STUART driver for fail downloading via IrDA modem. (This OS version can work on file downloading under 500KB, seems still issue on larger files)
5. Support hot plug function on CF slot. In older OS version, CF slot will be power-off if there is no driver installed. In V0702 CF slot is disabled when the PA950 is cold-booted.

1.10. V20040702 (V0702)

1. Pre-set default screen align position (0628)
2. Fix scanner USI bug : When scan2key enable and terminal is power off, it will cause problem when power-on terminal and immediately press trigger key (0630)
3. Replace RF driver with Pocket PC 2003 Prism version :
"Wireless LAN setting" is removed.
Pocket PC 2003's default wireless setting to do setup
from Setting → Connections → Connection → Advanced → Network Card (0630)
4. Add AP "nowelcome.exe" into /FlashDisk. User can move this program into /FlashDisk/Setup folder, if user want to by-pass Align Screen and Copy/Paste testing when cold-boot



- (0630)
5. Fix scanner USI bug : It will show "Scanner, restore settings failed!" and "Scanner control panel: Scanner port is not available."
(0630)

1.11. Upto V20040621 (V0621)

1. Set CF power off before WLAN driver install, this eliminates finding unknown CF card and displaying the unidentified card adapter message.
2. For CF system power off / on has same effect as CF power off / on
3. New API: CF_PowerEnable (Sample code [PA950_CF_Keypad](#)) to enable / disable CF slot
 - LPFN_CF_PowerEnable(BOOL)
4. New API: KB_AlphaMode (Sample code [PA950_CF_Keypad](#)) to change Alpha mode status – disable/numeric/lowercase/uppercase
 - LPFN_KB_AlphaMode(DWORD dwMode)
dwMode :
KB_ALPHA_MODE_DISABLE : Disable alpha key
KB_ALPHA_MODE_NUMERIC : Numeric mode
KB_ALPHA_MODE_LOWERCASE : Lowercase alpha mode
KB_ALPHA_MODE_UPPERCASE : Uppercase alpha mode
5. New API: KB_FuncKeyMode (Sample code [PA950_CF_Keypad](#)) to Change Function short-cut key to normal function key for application program.
 - LPFN_KB_FuncKeyMode(DWORD dwMode);
dwMode
KB_FUNCKEY_DEFAULT : default short-cut program for function key
KB_FUNCKEY_VKF10 : normal VK function event for application
6. In CHT (Chinese) version alpha input behaves as expected (no ㄅㄆㄇ)
7. Func + ESC bring up align screen directly

PA950_CF_Keypad http://www.unitechnical.info/products/PA950/Programs/PA950_CF_Keypad.zip

1.12. Upto V200405120 (V0520)

1. AutoSetup will check CF card presence before installing WLAN driver (using single ROM image to support 2 different configurations with WLAN / without WLAN) to avoid unnecessary WLAN driver installation
2. Check USB/UART registry setting before issue ActiveSync event : Sometimes when USB ActiveSync is on, if plug-in UART cable this can interfere ActiveSync connection this modification solved such problem.
3. Add backup utility into OS (Programs-->Utilities-->BackupUtility)
4. Update new USI driver (Unitech Scanner Interface)
5. Auto execute when cold start : old version can execute *.cab only, new OS can execute *.exe
6. Execute /FlashDisk/AutoSetup's program before "Align screen", it is necessary to warm-boot before setup wireless setting
7. Modify UART driver to prevent RS232 data lost (not 100% fix data lost problem)