

Acer ePower Management: Release Notes

1. Product Release Information

Product Name: Acer ePower Management

Release Number: 2.0.5005

Release Date: June 30, 2008

Customer Support: Willy Liao, Rical Hsieh and Jones Hsu

2. Introduction

This document contains the release notes for Acer ePower Management. The following sections describe the release in detail and provide late-breaking or other information that supplements the main documentation.

3. What's New

- 2.0.5005, June 30, 2008
 - i. Issues Solved:
 - 1. [0096] Dragging "Battery Information" window causes the system to hang up after power mode or power plan was changed.
 - 2. [0097] "voltage" item show wrong in battery in formation
 - ii. UI/Specification changes:
 - None
 - iii. Limitations
 - 1. Auto Tune cannot work when playing DVD on extended desktop because ePower cannot receive full screen event.
 - iv. Code review: Jones Hsu

4. Minimum System Requirements

System Processor: Intel or AMD IA32 processor

System Memory: 256MB+ (512MB+ recommended)

Free Disk Space: 10MB+

Operating System: Microsoft Windows XP x86/x64

Networking: None required

Existing Software: .NET Framework 1.1, .NET Framework 2.0 on X64

BIOS Support: ACPI-WMI specification v1.0

5. Installation and Upgrade Notes

- Installation
 - Run Acer ePower Management installer package to install all necessary binaries.
- Manifest
 - This release consists of the following items

- i. Release Note
- ii. Acer ePower Management

6. Version History

- 2.0.5004, June 10, 2008
 - i. Issues Solved:
 - 1. Add WMI method for retrieving battery serial number when WinAPI function fails.
 - ii. UI/Specification changes:
 - None
 - iii. Limitations
 - 1. Auto Tune cannot work when playing DVD on extended desktop because ePower cannot receive full screen event.
 - iv. Code review: Jones Hsu
- 2.0.5003, May 14, 2008
 - i. Issues Solved:
 - 1. [0095] The action list is disabled after OOBE on Carlisle.
 - ii. UI/Specification changes:
 - None
 - iii. Limitations
 - 1. Auto Tune cannot work when playing DVD on extended desktop because ePower cannot receive full screen event.
 - iv. Code review: Jones Hsu
- 2.0.5002, April 3, 2008
 - i. Issues Solved:
 - 1. [0093] The first letter of "requirement" is lowercase.
 - ii. UI/Specification changes:
 - 1. Remove battery health and its descriptions in help file.
 - iii. Limitations
 - 1. Auto Tune cannot work when playing DVD on extended desktop because ePower cannot receive full screen event.
 - iv. Code review: Jones Hsu
- 2.0.5001, December 25, 2007
 - i. Issues Solved:
 - 1. [0086] Default page in help file is not the index page, it is "Customized Power Profiles"
 - ii. UI/Specification changes:
 - 1. Remove the "Battery 1" wording from battery detail information
 - 2. Phase in solution for boot and ready time
 - 3. Change battery chemistry "LION" wording to "Li-ion"
 - iii. Limitations
 - 1. Auto Tune cannot work when playing DVD on extended desktop because ePower cannot receive full screen event.
 - iv. Code review: Erison Wu
- 2.0.5000, November 30, 2007
 - i. UI/Specification changes:

1. Take out device control.
2. Add battery detail information and health indication.
- ii. Code review: Erison Wu
- 2.00.4003, October 3, 2007
 - i. Issues Solved:
 - 1) Take out 3G support in ePower_DMC and UI.
 - ii. Code review: Erison Wu
 - iii. UI/Specification changes:
 - iv. InstallShield:
 - v. New platform:
- 2.00.4002, July 3, 2007
 - i. Issues Solved:
 - 1) While play DVD by Media Player on Vico (ZU2), system will not broadcast full screen event. Auto tune function will be failed.
 - 2) The class name of PowerDVD window while full screen is changed and ePower can not identify it. Auto tune function will be failed.
- 2.00.4001, March 24, 2007
 - i. Issues Solved:
 - 1) While receiving monitor off event from WMI, ePower will change the status of bluetooth device
 - 2) While load default, ePower should check the supported brightness level (10 or 15).
 - 3) ePower should clear the registry flag of enhance features (doze mode, auto dimmer, energy star, auto tune).
 - ii. Code review: Cigar Huang and Jay SJ Chang
 - iii. UI/Specification changes:
 - iv. InstallShield:
 - v. New platform:
- 2.00.4000, March 8, 2007
 - i. Issues Solved:
 - 1) Modify the wording of tray
 1. Firewire(IEEE 1394) -> Firewire (IEEE 1394)
 2. Profile(XXX) -> Profile (XXX)
 - 2) Add monitor on/off event for energy star solution on santa rosa platform
 - ii. Code review: Cigar Huang and Jay SJ Chang
 - iii. UI/Specification changes:
 - iv. InstallShield:
 - v. New platform:
- 2.00.2033, February 15, 2007
 - i. Issues Solved:
 - 1) FIX: Add 3G device control
 - 2) FIX: Add cable sense support
 - 3) FIX: Add solution for energy-star
 - ii. Code review: Cigar Huang and Jay SJ Chang

- iii. UI/Specification changes:
 - iv. InstallShield:
 - v. New platform:
- 2.00.2032, December 7, 2006
 - i. Issues Solved:
 - 1) FIX: If the user log into a domain, ePower will fail to get the local user SID. In this situation, ePower will not monitor the power scheme change (Because this function need user SID)
 - ii. Code review: Cigar Huang and Jay SJ Chang
 - iii. UI/Specification changes:
 - iv. InstallShield:
 - v. New platform:
- 2.00.2031, October 26, 2006
 - i. Issues Solved
 - 1) FIX: The “Acer Arcade.exe” will be monitored by ePower for power saving
 - 2) FIX: If the user log into a domain, ePower will fail to get the local user SID. In this situation, ePower will not monitor the power scheme change (Because this function need user SID)
 - ii. UI/Specification changes
 - iii. InstallShield
 - iv. New platform
- 2.00.2030, August 31, 2006
 - i. Issues Solved
 - 1. FIX: While ePower is installed in XP64, user still can open windows power option window
 - (a) Procedure:
 - 1) Install ePower in XP64
 - 2) Open “Power Options” in “Control Panel”
 - 3) The power option window can be launched
 - (b) Solution:
 - 1) While install ePower on XP64, ePower should copy ePM-PO.dll to C:\Windows\System32, and should set correct information to registry also.
 - ii. UI/Specification changes
 - iii. InstallShield
 - iv. New platform
 - 1. Prespa M
- .00.2029, August 17, 2006
 - i. Issues Solved
 - 2. FIX: While attach second battery and remove it, ePower UI will still show two battery information
 - (a) Procedure:
 - 1) Attach second battery and ePower UI will show two battery information

- 2) Remove second battery
- 3) ePower UI will still show two battery information
- (b) Solution:
 - 1) While updating battery information, the individual battery percentage should be resent
- 3. Modify the device data of “Coniston” platform
 - (a) CardBus
 - (b) 1394

- v. UI/Specification changes
- vi. InstallShield
- vii. New platform
 - 1. Ness2

● 2.00.2028, July 18, 2006

- i. Issues Solved
 - 1. FIX: While uninstalling ePower on XP64 platform, ePower will not restore windows default power schemes
 - (a) Procedure:
 - 1) Uninstall ePower on XP64
 - 2) The power schemes will be the same as ePower
 - (b) Solution:
 - 1) While uninstalling ePower, ePower should restore windows power schemes
- viii. UI/Specification changes
 - 1. FIX: On Eagle2B2 platform, the UI should disable the actions while lid is closed
- ix. InstallShield
 - 1. To add files that will save and restore power scheme data in XP64
 - 2. While installing, ePower should register new WMI with power consumption of standby / hibernation
- x. New platform
 - 1. MyallM

● 2.00.2027, July 12, 2006

- i. Issues Solved
 - 2. FIX: Auto tune will save the settings to wrong scheme
 - (a) Procedure:
 - 1) In AC mode, play DVD (full screen)
 - 2) Plug in DC and close DVD player
 - 3) The settings of both AC and DC scheme will be incorrect
 - (b) Solution:
 - 1) While exit auto-tune mode, ePower should recover the scheme setting correctly

3. FIX: While enter auto tune or in AC mode, ePower will also enter doze mode
 - (a) Solution:
 - 1) In auto tune or AC mode, ePower will not enter doze mode
4. FIX: Auto tune and PowerDVD will both change the “Monitor timeout”
 - (a) Solution:
 - 1) Auto tune will not change the “Monitor timeout”
5. FIX: LAN, CardBus, and 1394 will disappear on Ferrari 6
 - (a) Solution:
 - 1) Modified device data (Change PCI Bus/Device/Function ID of LAN, CardBus, and 1394) on Ferrari 6
6. FIX: AMD cpu will waste too much power in maximum speed
 - (a) Solution:
 - 1) In AMD platform, default CPU speed of “Maximum performance” scheme will be “High”

xi. UI/Specification changes

1. None

xii. InstallShield

1. None

xiii. New platform

1. None

● 2.00.2026, July 5, 2006

xiv. Issues Solved

1. FIX: While standby timeout is “Never” in AC , ePower will still enter doze mode
 - (a) Procedure:
 - 1) Set standby timeout of default AC scheme to never
 - 2) Set standby timeout of default DC scheme to 10 minutes
 - 3) Switch to DC state and hit keyboard (touch panel) or move mouse
 - 4) Plug AC and do not hit keyboard (touch panel) or touch mouse
 - 5) After 5 minutes, ePower will enter doze mode
 - (b) Solution:
 - 1) While AC/DC changes, ePower should reset the doze mode timer

xv. UI/Specification changes

1. None

xvi. InstallShield

1. None

xvii. New platform

1. Prespa
2. Prespa1.5
3. Eagle2B2
4. Bodensee2.5

● 2.00.2025, June 2, 2006

xviii. Issues Solved

1. FIX: LAN, CardBus, and 1394 will disappear on Ferrari 5
(a) Solution:
 - 1) Modified device data (Change PCI Bus/Device/Function ID of LAN, CardBus, and 1394) on Ferrari 5
2. FIX: Cannot not set power mode of ATI PowerPlay to Balanced
(a) Solution:
 - 1) Change the index of Balanced for ATI PowerPlay
 - 2) Because the powerplay control is still removed in this version, so this bug can not be duplicated

xix. UI/Specification changes

1. FIX: If ePower tray icon does not launch, user could not launch ePower UI window. This is different from ePower UI 2024.
In 2024, if ePower tray icon does not launch, user could launch ePower UI window after 2 minutes

xx. InstallShield

None

xxi. New platform

1. Coniston

● 2.00.2024, May 23, 2006

xxii. Issues Solved

1. FIX: To save the power status (AC/DC) while entering away-mode and auto-dimmer
(a) Procedure:
 - 1) In DC mode , enter away mode
(word processing scheme , CPU:high LCD:40%)
 - 2) Enter S4 and plug in AC
 - 3) Resume from S4
(maximum performance scheme, CPU:Max LCD:100%)
 - 4) The scheme setting of "maximum performance" will be incorrect (CPU:high LCD:40%)
(b) Solution:
 - 1) While entering away-mode and auto-dimmer, ePower will save the power status in the registry "AwayModeACDC"
2. Disable powerplay setting while CPU speed changes
3. While AC change to DC, ePower will update the remaining time until the remaining time is stable
4. FIX: To detect the program name of MCE and Arcade in auto-tune function
(a) Procedure:
 - 1) The ePower can not detect MCE and Arcade so auto-tune function can not work well while MCE or Arcade is executed
(b) Solution:
 - 1) To detect if MCE and arcade is executed or not

5. FIX: Load default function

(a) Procedure:

- 1) ePower will show an error message while load default on some platforms that do not have 1394

(b) Solution:

- 1) Before loading default, ePower should check if the device exists

xxiii. UI/Specification changes

1. FIX: LCD brightness does not recover to pre-profile settings after saving new power profile

(a) Procedure:

- 1) Change power source to DC
- 2) Select any one profile, besides current active power profile. Click "Apply" button
- 3) Change LCD brightness setting
- 4) Click "Save as...". the LCD brightness does not recover to pre-profile setting

(b) Solution:

- 1) Record new LCD brightness level after "Apply" button clicked

2. If Replaced power profile is current active profile, LCD brightness should not recover to pre-profile. But it does

(a) Procedure:

- 1) Create three user defined power profiles
- 2) Activated any one user defined power profile
- 3) Change LCD brightness and click "Save as ...".
- 4) Replace current active profile
- 5) The LCD brightness recovers to pre-profile

(b) Solution:

- 1) If replaced power profile is current profile, do not recover LCD brightness

3. "Save as..." button should be enabled after following procedure

(a) Procedure:

- 1) Change current active profile settings. The "Save as..." button enables.
- 2) Select other power profile in profile combo box ,and do not apply it
- 3) Select current active profile in profile combo box
- 4) The "Save as..." button disables

(b) Solution:

- 1) If selected profile is current active and dynamic saving are enabled, enable "Save as" button, else disable "Save as" button

4. User could not launch ePower UI page and widget while ePower tray icon does not ready.

xxiv. InstallShield

None

xxv. New platform support

- 1. Ferrari 6
- 2.00.2023, May 3, 2006
 - xxvi. Issues Solved
 - 1. FIX: A bug for CPU vender detection on AMD platform
 - (a) Procedure:
 - 1) To install ePower on AMD platform
 - 2) Restart the system
 - 3) There will be four CPU speed selection on both tray and UI
 - (b) Solution:
 - 1) Detect the CPU vender at the beginning of ePower main program (Should before check ePowerInitFlag)
 - 2. FIX: A bug for Doze mode on AMD platform
 - (a) Procedure:
 - 1) While AMD platform enter doze mode, the CPU setting will disappear
 - (b) Solution:
 - 1) In AMD platform, CPU policy should set to “Medium” not “Low” in Doze mode
 - 3. FIX: A bug about ATI graphic on Windows XP 64-bit version
 - (a) Procedure:
 - 1) Change CPU policy to Medium or High, ATI powerplay will not be changed to "Balanced" power mode
 - (b) Solution:
 - 1) Set the “Balanced” power mode be 4 instead of 5
 - 4. FIX: A bug that cannot get battery information Windows XP 64-bit version
 - (a) Solution:
 - 1) To correct a error while updating battery information
 - xxvii. UI/Specification changes
 - 1. UI: Support XP 64-bit version
 - xxviii. InstallShield
 - 1. Support both Windows XP 32-bit and 64-bit version installation
- 2.00.2022, April 24, 2006
 - xxix. Issues Solved for ePower DMC
 - 1. To fix an error about the device data of Cheela (Set device number to 2)
 - 2. To fix a bug while loading default on Cheela platform
 - (a) Procedure
 - 1) On Cheela platform, Set LCD brightness to 100% in "maximum performance"
 - 2) Click "Load default" in UI and LCD brightness will become 47%
 - (b) How to solve
 - 1) While loading default, UI will notify tray to update scheme information (Originally UI will update the scheme information but not tray)
 - 3. ePower_DMC will restore power policy about devices, CPU, and brightness in Load Default

- ii. Issue Solved for ePower UI
 - 1. While user clicks “Load default”, UI will notify tray to update the scheme information to default setting
 - 2. ePower UI will just resotre power policy about timer and grobal settings in Load Default
 - iii. New platform support
 - 1. Ferrari5
 - 2. Kirkini
 - iv. Specification changes
- 2.00.2021, April 21, 2006
 - i. Issue Solved for ePower UI
 - 1. Fix a bug about battery alarm
 - (a) Procedure
 - 1) Set low battery alarm to 100% and disable low battery alram
 - 2) Close ePower UI and re-open it
 - 3) The percentage (should be 100%) can not correctly display and the criticall battery alarm can not be change correctly
- 2.00.2020, April 21, 2006
 - i. Issues Solved for ePower UI
 - 1. ePower UI cannot detect the existence of cardbus
 - (a) Procedure
 - 1) One SKU of Garda3, there is not cardbus controller in the notebook
 - 2) Open ePower UI on this notebook, you will see a cardbus selcetion item on it
 - (b) How to solve
 - 1) While UI launches, it will the existence of CardBus by querying ePower_DMC
 - ii. New platform
 - 1. Garda3
 - iii. Installshield
 - 1. Add a new registry key “ePowerInitFlag” under “LocalMachine\Software\acer\ ePower” to detection the first run of ePower
- 2.00.2019, April 17, 2006
 - i. Issues Solved for ePower DMC
 - 1. ePower does not handle AC/DC change in Doze mode
 - (a) Procedure
 - 1) In DC mode, set standby timeout to 10 minutes (Word processing: CPU= High, LCD = 40%)
 - 2) Idle 5 minutes and ePower will enter Doze mode (CPU= Low, LCD= 0%)

- 3) Plug in AC adapter without touching mouse or keyboard and will change to AC scheme (Max performance: CPU= Max, LCD= 100%)
- 4) Move mouse or hit keyboard
- 5) Then the CPU and LCD setting will change to CPU= High, LCD= 40%
- (b) How to solve
 - 1) While AC/DC change, ePower will disable Doze mode and recover CPU/LCD settings
2. ePower UI cannot synchronize with buttons of wireless, bluetooth , and LCD
 - (a) Procedure
 - 1) Open ePM UI and turn on / off wireless by button
 - (b) How to solve
 - 1) To correct an error about WMI event indicating
- ii. Issues Solved for ePower UI
 1. Remove timer synchronous of Acer defined power profiles because it will slow down system performance

● 2.00.2018, April 14, 2006

- i. Issues Solved for ePower DMC
 1. ePower cannot meet the two users in brightness control
 - (a) Procedure
 - 1) Login A_user , set LCD brightness to 20% and do not close UI
 - 2) Switch to B_user and set LCD brightness to 100%
 - 3) Switch to A_user will find that the LCD brightness is 20% on UI
 - (b) How to solve
 - 1) While switch back from other user account, ePower will notify UI to update information
 2. Doze mode cannot work properly while two users login in
 - (a) Procedure
 - 1) Login A_user, set LCD brightness to 100% and standby timeout to 10 minutes
 - 2) Switch to B_user, idle for more than 5 minutes, the LCD brightness will automatically change to 0% and can not be changed
 - 3) Switch to A_user, it still appears
 - (b) How to solve
 - 1) While switch to another user account, ePower will disable the doze mode
 3. ePower will set power mode of ATI PowerPlay even if this platform is ATI UMA sku (it does not support PowerPlay control)
 - (a) How to solve
 - 1) If ATI graphic only supports one level of power play, ePower will not change ATI power play while CPU speed change
- ii. Issues Solved for ePower UI
 1. ePower LCD Brightness can't meet the two users.

- (a) Procedure
 - 1) Login A_user, set LCD brightness to 20% and do not close UI
 - 2) Switch to B_user and set LCD brightness to 100%
 - 3) Switch to A_user will find that the LCD brightness is 20% on UI
 - (b) How to solve
 - 1) While switch back form other user account, ePower will notify UI to update information
- 2.00.2017, April 4, 2006
 - i. Issues Solved for ePower DMC
 1. ePower tray will show batery information when mouse hovers ePower tray icon
 2. Symplify the procedures while resume from S3/S4
 3. ePower will set C4onC3 bet even if this platform is Celeron sku
 4. Will prevent some error while updating batery information (sometimes will divide by zero)
 - ii. Issues Solved for ePower UI
 1. LCD brightness shows inconsistent information
 - (a) Procedure
 - 1) Change brightness from UI page
 - 2) Change brightness from tray icon
 - 3) The brightness in UI is not consistent with tray icon
 - iii. New platform
 1. Garda5
- 2.00.2016, March 30, 2006
 - i. Issues Solved for ePower DMC
 1. While unistalling ePower, ePower should set
 - (a) CPU : maximum speed
 - (b) C4onC3 : Off
 - (c) LAN , 1394 , Cardbus : On
 2. Delete all error messsages about initializing ePower DMC
 - ii. Issues Solved for ePower UI
 1. After clicking load default button, recover CPU and LCD track bar
 - iii. Installshield
 1. Compile mof file and wait it until success. This could avoid ePower initial WMI failed
- 2.00.2015, March 28, 2006
 - i. Issues Solved for ePower DMC
 1. While enterig S3/S4, ePower will do nothing when system sned powerbroadcast event
 2. While update staus of ODD device, ePower do not check the huristic settings
 - ii. Issues Solved for ePower UI
 1. Fix ePower widget launch too slow in DC

- 2. Fix confused ODD picture box
- iii. Installshield
 - 1. Modify Odd registry to 1 in all power profiles
- 2.00.2014, March 28, 2006
 - i. Issues Solved for ePower DMC
 - 1. Support new ATI graphic card for PowerPlay functions
 - 2. While resume from S3/S4, ePower DMC will update the battery information again
 - ii. Issues Solved for ePower UI
 - 1. Modify help file: add ODD (optional) on help file
 - 2. Modify wording "Battery fully charged" to "Battery Fully Charged"
- 2.00.2013, March 21, 2006
 - i. Issues Solved for ePower DMC
 - 1. Remove message box while fail to set WMI flag
 - ii. Issues Solved for ePower UI
 - 1. "Load Defaults" wording error
- 2.00.2012, March 17, 2006
 - i. Issues Solved for ePower DMC
 - 1. Pop up "Hidden NotifyIcon Target Window" message in Compal Reboot testing
 - (a) How to solve:
 - 1) Use windows default UI component
 - 2. ePower will show "Error initiating ePower_DMC"
 - (a) How to solve:
 - 1) Get WMI object failed. Move this code to WMI constructor
 - ii. New platform
 - 1. Grapevine2
- 2.00.2011, March 16, 2006
 - i. Issues Solved for ePower DMC
 - 1. Show ODD device in context menu while limited user log in
 - ii. Issues Solved for ePower UI
 - 1. Enable hibernation after installing ePower
- 2.00.2010, March 13, 2006
 - i. Issues Solved for ePower UI
 - 1. Pop different Language pack installation prompt from local language packs while launch help file (Set charset error in html files)
- 2.00.2009, March 8, 2006
 - i. Issues Solved for ePower DMC
 - 1. To identify Acer platform in both Type1 and Type2 manufacture name of SMBIOS

- ii. Installshield
 - 1. Turn on LAN/cardbus/1394 before uninstalling ePower
- 2.00.2008, March 3, 2006
 - i. Issues Solved for ePower DMC
 - 1. Will launch UI while user launch ePower by 2 ways:
 - (a) Launch ePM by Hotkey (Fn+F3)
 - (b) Start -> All programs -> Acer Empowering Technology -> Acer ePower Management
 - ii. Issues Solved for ePower UI
 - 1. Fix the bug while try to open help file in limited user or guest
- 2.00.2007, March 2, 2006
 - i. Issues Solved for ePower DMC
 - 1. Will update the battery remaining time while UI send "EPM_PROP_REMAINING_TIME" to DMC and return an updated remaining time
 - 2. After finishing the processor vender ID access by WMI, release everything will get some error
 - 3. While the ACPI bios is not implemented, ePower_DMc will show an error message
 - 4. Sub-menu does not appear after left click on menu.(bug from compal)
 - 5. The action of left-click is set the same as right-click
 - ii. Issues Solved for ePower UI
 - 1. If system does not support standby, disable standby trackbar and standby trackbar
 - 2. Send battery information query after device status change on UI
 - 3. If battery remaining time is equal to 0 or larger than 600, don't show it on battery label
 - iii. New platform
 - 1. Cheela (In cheela platform, will change the default setting of LCD for each power schemes)
 - 2. Bodensee3
- 2.00.2006, February 23, 2006
 - i. Issues Solved for ePower DMC
 - 1. Exception occurs while guest account log out (ePower_DMC receives WM_EndSession and write registry. The writing registry action will cause exception)
 - (a) How to solve:
 - 1) Do not read or write registry after receive WM_EndSession
- 2.00.2005, February 22, 2006
 - i. Issues Solved for ePower DMC
 - 1. Check OS version. If installed OS is not Windows XP, ePower_DMC closes itself

- ii. New platform
 - 1. Bodensee2
 - 2. Navarro
 - iii. Issues Solved for ePower UI
 - 1. Support AMD platform. There are only three CPU speed level(Maximum, High, and Medium) on AMD platform
 - 2. Check OS version, if installed OS is not Windows XP, disable all component on UI
 - iv. Installshield
 - 1. If user selects launch ePower UI after first installing, Launch it
- 2.00.2004,
 - i. Issues Solved for ePower DMC
 - 1. ePower_DMC shows error message (Project:Myall2)
 - 2. ePower will pop error message when login in as Guest Account
 - 3. Can't turn on/off 1394 in ePower tray menu (in Geneva 2)
 - ii. Issues Solved for ePower UI
 - 1. Adjust LCD Brightness
 - (a) Save as a new power scheme
 - (b) This action will also change brightness in previous profile
 - 2. Disable ""Wired Lan"" then reboot. (1394 -> Enable)
 - (a) After reboot 1394 will show disable in ePM
 - (b) But the function is normal
 - 3. Remove Battery (AC only)
 - (a) ePower will show ""Battery fully charged"".
 - (b) Close ePM windows then open again.
 - (c) ePower will show ""AC Only"".
 - (d) At the same time,Power status on e Bar is not match real status
 - 4. ePM profile status confused
 - (a) AC mode --> Create new AC profile & name "AC"
 - (b) Unplug AC adapter
 - (c) Click profile menu.
 - (d) The icon Maximum Performance & AC are incorrect.
 - (e) Entertainment profile can be deleted."
 - 5. "Max Battery Life Power option status can not match real status.
 - (a) DC mode --> change profile to ""max Battery lfe""
 - (b) Plug-in AC adapter.
 - (c) Choose max battery life profile to see the status.
 - (d) ePower will show default settings not modified one."
 - 6. Create a new profile and name ""123""
 - (a) Apply ""123""
 - (b) Delete ""123""
 - (c) ePower will pop error message."
- 2.00.2003,
 - i. Issues Solved for ePower UI

1. Support limited user to view power setting
- 2.00.2002, February 23, 2006
 - i. Issues Solved for ePower UI
 1. Reduce CPU usage while change brightness on ePower UI
 2. Speed up the action of change brightness on ePower UI
 3. Will not pop error message when login in as Guest Account
 4. Plug in / Pull out AC adapter the "Profile and Remaining battery Life" not change correct mode
 5. Click "Load" button in "Advanced Settings -> Load Defaults", check power options reset as default. <DC - Entertainment> fail in "Cardbus" / "Wired LAN" / "Fireware(1394)"
 6. ePower shows "BattFull" at widget mode. Please help check if it's correct. Or "Battery fully charged" is better
 7. The symbol should be "~" not "rectangle" symbol
 8. Critical Battery's alarm level can large than Low Battery's
 - 2.00.2001,
 - i. Issues Solved for ePower UI
 1. The performance of ePower plugin CreateInstance() issue
 2. UI launches tray icon and do not wait ePower_DMC initialization finish
 3. Only launch one help file, if user click "?" many times
 4. Boot .exe error while guest account login
 5. Changing brightness too slow if user click keyboard to adjust LCD trackbar
 - 2.00.2000,
 - i. Issues Solved for ePower DMC
 1. Close ETF launcher while MobileMark 2005 or MobileMark 2002 running
 - ii. Issues Solved for ePower UI
 1. In Japanese and ePM mode, the word of "Profile" will isn't align left
 2. In Chinese (PRC) and ePM mode, the word of up-side overstep by battery information
 3. In Chinese (PRC) and ePM mode, the help function connected is error
 4. In Chinese (taiwan) and ePM mode, the help language is not chinese (PRC)
 5. In Chinese (taiwan) and ePM mode, the word of up-side overstep by battery information
 6. After load default, ePower main ui does not refresh device setting and cpu setting
 7. Word processing cpu speed should be high
 8. No enable hibernate function in Windows default power option while install ePM
 - 2.04.1008,
 - i. Issues Solved for ePower DMC

1. Polling battery time while AC change to DC until battery time is stable
 2. Turn on/off bluetooth at lastest order
 - ii. Issues Solved for ePower UI
 1. Turn on/off bluetooth at lastest order
 2. Do not show battery time while battery time is smaller than 0
 3. Database 0051: ePM icon error on widget mode
- 2.03.1007,
- i. Issues Solved for ePower DMC
 1. Reduce message passing while device status change
 - ii. Issues Solved for ePower UI
 1. Database009: System seems hang-up when launch ePM and select settings on DC mode
 2. Get low battery alarm failed while low battery alarm is disabled
- 2.02.1006,
- i. Issues Solved for ePower UI
 1. Modify UI layout to suit multi-language wording
 2. Combobox string over boundary
 3. Two buttons overlap
 4. 6 multi-language wording
 5. Not response cliccking "?"
 6. Layout issues
 7. Wrong version number format
 8. ComboBox text be cut
 9. Cannot launch ePM when portal launched
- 2.01.1005,
- i. Issues Solved for ePower UI
 1. Widget wording in English OS
 2. Install failed while install on English OS
 3. Support Silent Uninstall
 4. InstallShield multilanguage message
 5. Refresh after load default
 6. Add 3 country language in multi-language xml
 - ii. Known issues
 1. There still 6 multi-language wording need to traslate
 2. Modify UI layout to suit multi-language wording
 3. Need new Cardbus icon
 4. Widget dispear (need duplicate procedure)
- 2.0.0.7,
- i. Issues Solved for ePower U
 1. Widget should update icon and charging icon rate while charging or no battery
 2. Click widget to launch ePower main UI

- 3. Maximum performance wording is too long for widget
 - 4. Widget multilanguage
 - 5. Widget remaining time is not consistent
 - 6. Portal could not get ePower icon while reboot
 - 7. Dynamic save settings for brightness , bluetooth, and wireless
 - 8. Recover brightness setting while dynamic saving click "no"
 - 9. 2 exception messages
 - 10. Create forth profile issue
 - 11. Problem 0025: Battery information not consistent
 - ii. Known issues
 - 1. There still 6 multi-language wording need to traslate
 - 2. Modify UI layout to suit multi-language wording
 - 3. Need new Cardbus icon
 - 4. Widget disappear (need duplicate procedure)
- 2.0.0.6,
- i. Issues Solved for ePower U
 - 1. Problem 0034:Icon color different from other ET applications
 - 2. Problem 0032:Suggestion: change "none" to "never"
 - 3. Problem 0031 :A spline is too thick
 - 4. Problem 0030 :Typo in "load default" page
 - 5. Problem 0029 :Segguestion: page name "Setting" -> "Settings"
 - 6. Problem 0028: Grammar error in "replace profile" dialog
 - 7. Problem 0027: Grammar error in password setting page
 - 8. Problem 0026: Grammar error in "save denied" dialog
 - 9. Problem 0024: "Apply" button not disabled when a non-applicable profile is selected
 - 10. Problem 0023: A duplicate profile name after deleting a profile
 - 11. Problem 0013: widget cannot display options properly
 - 12. Problem 009: Suggestion: re-layout seperate-lines
 - 13. Problem 007: Non-current profiles cannot be edited
 - 14. Problem 003: Shutdown fail when press power button
 - 15. Problem 003: A confusing string appear in the installation error message
 - ii. Known issues
 - 1. There still 6 multi-language wording need to traslate
 - 2. Modify UI layout to suit multi-language wording
 - 3. Need new Cardbus icon
 - 4. Widget disappear (need duplicate procedure)