

Re: Problems Disabling Automatic Screen Off for Display Driver.

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2008-04/msg00664.html>

- *From:* "Michel Verhagen (eMVP)" <michel@xxxxxxxxxx>
 - *Date:* Thu, 24 Apr 2008 22:04:07 +1200
-

Set the PM debugzones all on and show us some debug output around the time the backlight turns off.

As far as the registry settings go the PM should do nothing, so I suspect something else is going on...

Did you get these registry settings from the device (using remote registry editor) or from platform.reg or from reginit.ini?

Good luck,

Michel Verhagen, eMVP
Check out my blog: <http://GuruCE.com/blog>

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Bradley Remedios wrote:

I have a platform running Windows CE 6.0 and am having some problems having the Display Stay on (it is turning off automatically when I don't want it to.)

We basically do not want any idle or inactivity timers to be used by the Power Manager with regards to the display, we only wish for it to change power states via requests from Applications and due to Sleep and Sleep Resume.

We have three (3) drivers in use, a Display Driver, Backlight Driver and Battery Driver.

The Display Driver starts up in D0, after being left idle the Power Manager sets the Display Driver into D1 followed by D4.

The Backlight Driver is staying on as expected.

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I installed a stub battery driver (from public tree) that should set the Power Source as AC Line Online with a Battery State of full. I originally thought that maybe having the Battery Support in (without an actual battery driver) may be causing a problem (as the default power state was battery scheme.) Adding in this battery driver has the default power state as AC Scheme but there is unfortunately no change to how the driver behaves.

Via the Control Panel:

Power Scheme says AC Power and Switch to User Idle, System Idle and Suspend all say never.

Display Backlight has two checkboxes "Automatically turn off backlight while on battery power" and "Automatically turn off backlight while on external power" and neither of these are actually checked.

My Registry:

```
[HKEY_LOCAL_MACHINE\System\GDI\ROTATION]
```

```
"Angle"=dword:00
```

```
[HKEY_LOCAL_MACHINE\Drivers\Display\LCDC]
```

```
"DisplayPowerClass"=multi_sz:"{EB91C7C9-8BF6-4a2d-9AB8-69724EED97D1}"
```

```
"Width"=dword:280 ; 640
```

```
"Height"=dword:1E0 ; 480
```

```
"Bpp"=dword:10 ; 16bpp
```

```
"VRAMWidthInPixel"=dword:400
```

```
"VRAMHeightInPixel"=dword:1000
```

```
"VRAMAddress"=dword:23c00000
```

```
"VRAMBusWidth"=dword:20
```

```
"UpperMargin"=dword:21
```

```
"LowerMargin"=dword:A
```

```
"LeftMargin"=dword:2D
```

```
"RightMargin"=dword:11
```

```
"Vsync"=dword:1
```

```
"Hsync"=dword:5F
```

```
"PixelClock"=dword:17D7840
```

```
[HKEY_LOCAL_MACHINE\system\gdi\monitors]
```

```
"TOTAL MONITORS"=dword:1
```

```
[HKEY_LOCAL_MACHINE\System\GDI\Drivers]
```

```
"Display"="Display_DDI.dll"
```

```
[HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power]
```

```
"BattPowerOff"=dword:0
```

```
"ExtPowerOff"=dword:0
```

```
"WakeupPowerOff"=dword:0
```

```
"ScreenPowerOff"=dword:0
```

```
[HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Power\Timeouts]
```

```
"ACUserIdle"=dword:0
```

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```
"ACSystemIdle"=dword:0  
"ACSuspend"=dword:0  
"BattUserIdle"=dword:0  
"BattSystemIdle"=dword:0  
"BattSuspend"=dword:0
```

```
[HKEY_CURRENT_USER\ControlPanel\Backlight]
```

```
"BatteryTimeout"=dword:0  
"ACTimeout"=dword:0  
"UseExt"=dword:0  
"UseBattery"=dword:0
```

Thank you,
Brad.