

Adjusting Power Saving on Windows 7 when connected to USB machines

Introduction

When using Denford supplied machinery that connects via USB, it is important to alter power and screen saving settings on the PC or laptop.

Data corruption can occur while the PC is talking to the machine and, for example, the USB port goes into power saving mode.

Laptops can be problematic when running from battery. This is because the system will do everything it can to conserve battery power, even if it means cutting off communication to the machine. **When running a machine from a Laptop *always* have it plugged into the power adaptor.**

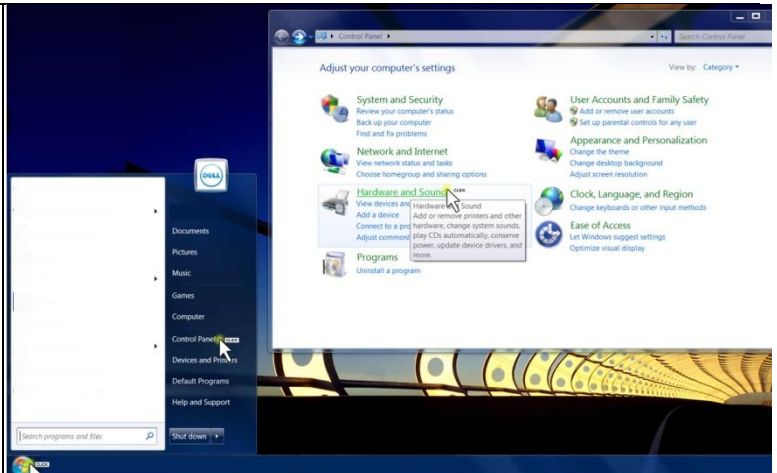
Because PC hardware differs between makes, you may not experience any issues from power saving. If you do, however, then it will be worth checking these settings.

Power Saving

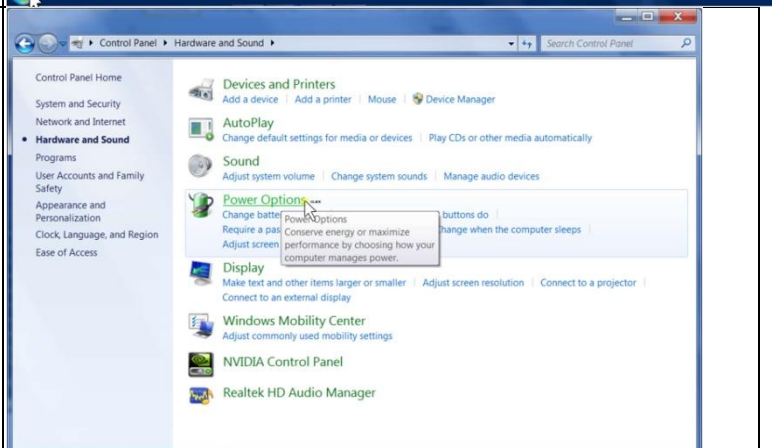
The main settings to change here relate to the hard disk, USB port and system sleep. There may be other options available, depending on your hardware. Use your judgement and disable those that may relate to USB communication being interrupted.

Firstly, open the Control Panel and choose **Hardware and Sound** settings:

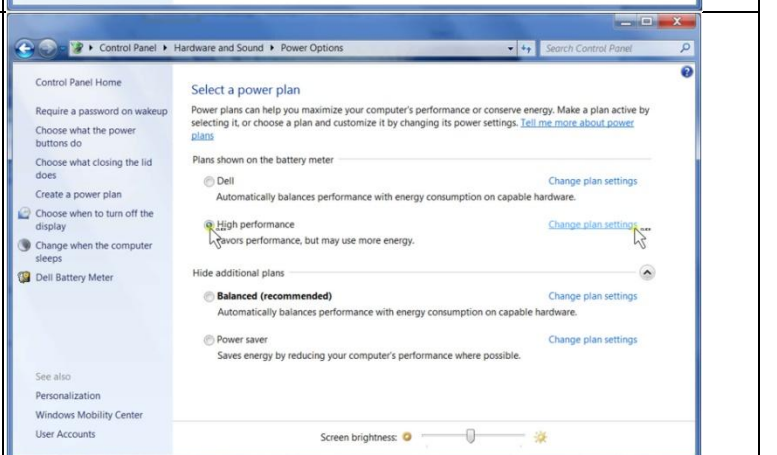
Tip: you can shortcut directly to the power options by typing **power** into the search box at the top right hand corner



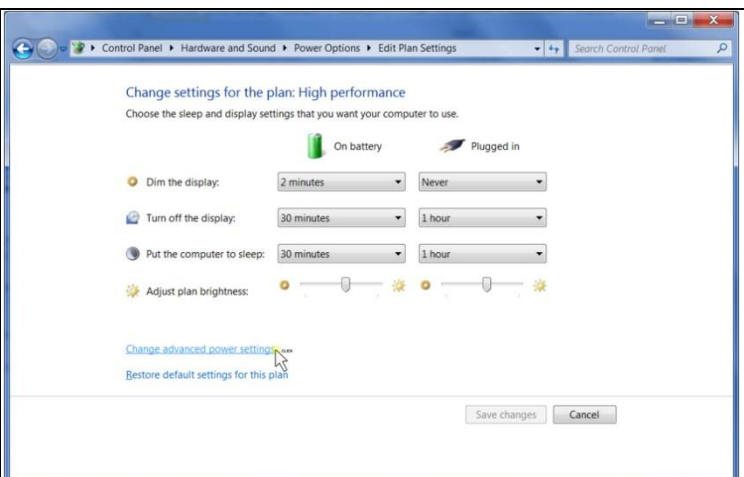
Now choose **Power Options**



Make sure that **High Performance** settings are selected. Then choose **Change Plan Settings**



From there select **Change advanced power settings**



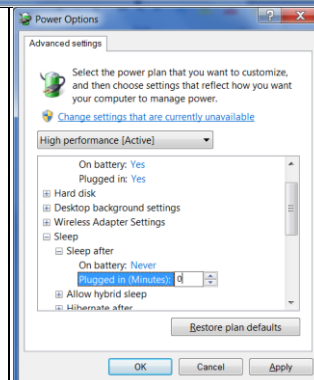
Locate the advanced setting for **Hard Disk**.
Set both **On battery** and **Plugged in** to **0** which means **Never** turn off the hard disk.

(If you always intend to run a machine while plugged in, then you can leave the **On battery** setting as they are)

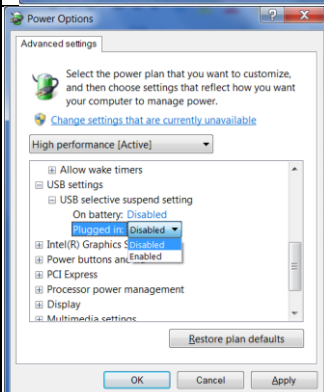


Locate the advanced setting for **Sleep**.
Set **Sleep after** to **0** which means the PC/Laptop will never go into sleep mode.

(If you always intend to run a machine while plugged in, then you can leave the **On battery** setting as they are)



Locate **USB Settings** and **USB selective suspend setting**
Set both to **Disabled**

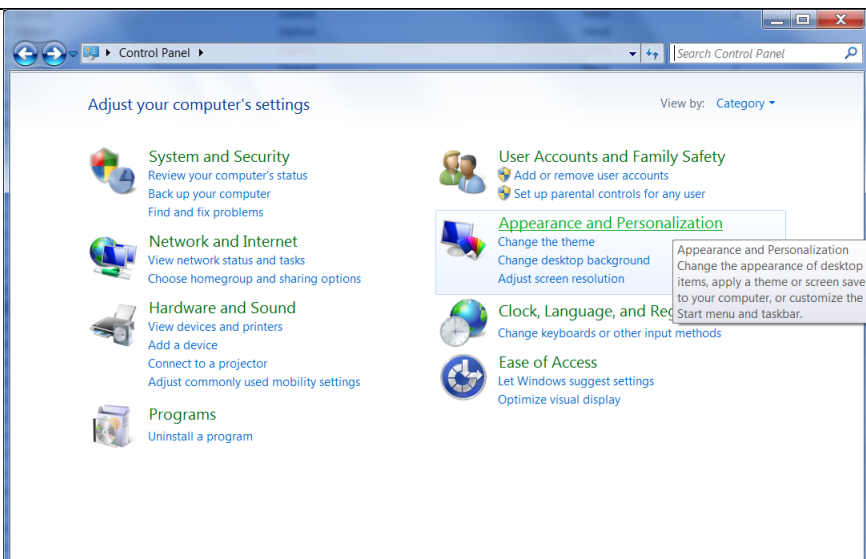


Adjusting Power Saving on Windows 7 when connected to USB machines

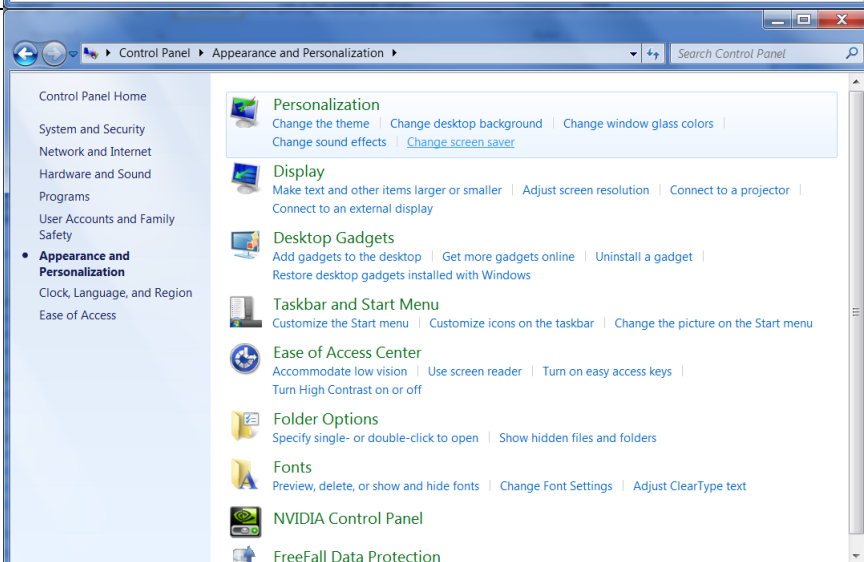
Screen Saver

Denford software normally disables the screensaver whilst running, but it may be worth disabling manually if you have problems with other software / machinery

From the Control Panel choose **Appearance and Personalization**



Under the **Personalization** section, choose **Change screen saver**



From the Screen Saver Settings window, pick **(None)** from the drop-down box and click **OK**

