

How To Disable Power Management For USB Root Hubs

In some cases USB devices may stop working, in worse cases a complete USB hub may stop working. USB problems are always unwelcome, but if things are working fine and suddenly USB devices do not work anymore or are not recognized, troubleshooting can proof difficult.

If you have tried rebooting, unplugging and re-plugging, reinstalling all necessary USB device drivers, then you might want to try disabling the power management on the USB Root Hubs in Windows. We'll use Win7 as an example, but this method works just the same in Windows XP.

- 1. In the Windows Start menu, select Run.
- 2. In the **Run** dialog box, type **devmgmt.msc** and click **OK** or press **Enter**.
- 3. In the **Device Manager**, locate and open the **Universal Serial Bus controllers** branch.
- 4. You should now see a number of **USB Root Hub** entries.
- 5. Right-click the first of the **USB Root Hub** entries, and in the popup menu select **Properties**.



- 6. In the USB Root Hub Properties dialog box, select the Power Management tab.
- 7. Clear the checkbox named "Allow the computer to turn off this device to save power", and click OK.





- 8. Repeat steps 5 till 7 for all **USB Root Hub** entries.
- 9. Now close the **Device Manager** and restart your computer.

Computer which working with Prolific USB-to-Serial Comm Port

- 1. In the **Device Manager**, locate and open the **Ports** branch.
- 2. You should now see the entry of **Prolific USB-to-Serial Comm Port**.
- 3. Right-click the first of the **Prolific USB-to-Serial** entry, and in the popup menu select **Properties**.

Mice and other pointing devices	
Monitors	
Network adapters	
Ports (COM & LPT)	
Prolific USB-to-Serial Comm Port (CQ***	
Processors	Update Driver Software
Sound, video and game controllers	Disable
System devices	Uninstall
 Universal Serial Bus controllers Generic USB Hub 	Scan for hardware changes
Intel(R) ICH10 Family USB Enhanced F	Properties

4. In the **Prolific USB-to-Serial Comm Port** dialog box, select the **Power Management** tab.



General	Port Settings	Driver	Details	Power Management
1	Prolific USB-t	o-Serial (Comm Por	(COM3)
Allo	w the computer	to turn o	ff this dev	ice to save power
Allo	w this device to	wake th	e computi	er:

- 5. Clear the checkbox named "Allow the computer to turn off this device to save power".
- 6. Clear the checkbox named "Allow this device to wake the computer", and click OK.

Computer which working with Silicon Labs CP210x USB to UART Bridge

- 1. In the **Device Manager**, locate and open the **Ports** branch.
- 2. You should now see the entry of **Silicon Labs CP210x USB to UART Bridge**.
- Right-click the first of the Silicon Labs CP210x USB to UART Bridge entry, and in the popup menu select Properties.

Ports (COM & LPT) Communications Port (COM1) Communications Port (COM2) Communications Port (COM3) Communications Port (COM4) Printer Port (LPT1) Printer Port (LPT1)	
Silicon Labs CP210x USB to UART Bridge (COM Sound, video and game controllers System devices Universal Serial Bus controllers	Update Driver Disable Uninstall Scan for hardware changes
ns property sheet for the current selection.	Properties

4. In the Silicon Labs CP210x USB to UART Bridge dialog box, select the Power Management tab.



Silicon Labs CP210x USB to UART Bridge (COM6) Prope ? 🔀
General Port Settings Driver Details Power Management
Silicon Labs CP210x USB to UART Bridge (COM6)
 Allow the computer to turn off this device to save power. Allow this device to bring the computer out of standby.
OK Cancel

5. Clear the checkbox named "Allow the computer to turn off this device to save power", and click OK.

Hopefully the USB problems will disappear after this. If not, you can of course turn power management on again. If the USB problems do disappear, you can try to enable the power management for each of the USB Root Hubs again to save power (especially on laptops and notebooks). By doing it one-by-one you can try to identify the problematic USB hub. Do keep in mind that this requires you to keep your USB devices plugged to the same USB ports!