



Adjusting Power Saving Settings on Your PC to Maintain Communication with Instrument – Titan 4

WARNING: Any maintenance work undertaken on a James Heal instrument must be done so by a trained and competent person. Where electrical work is detailed, this should only be completed by a qualified engineer. James Heal is not responsible for damage or injury arising from work carried out by any person not qualified to do so. If in doubt, please contact James Heal or your local James Heal Agent.

Introduction

When using James Heal supplied instruments 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 if, 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 instrument. 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 the following:

Power Settings

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 judgment 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:





FAQ

Now choose Power Options:



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

Control Panel + F	lardware and Sound Power Options	- 49	Search Control Panel
Control Panel Home	Select a power plan		
Require a password on wakeup Choose what the power buttons do	Power plans can help you maximize your computer's per selecting it, or choose a plan and customize it by changi plans	formance or conserve ene ng its power settings. <u>Tell</u>	rgy. Make a plan active by me more about power
Choose what closing the lid does Create a power plan	Plans shown on the battery meter © Dell Automatically balances performance with energy of	consumption on capable h	Change plan settings ardware.
Choose when to turn off the display Change when the computer	High performance Ravors performance, but may use more energy.		Change plan settings
Dell Battery Meter	Hide additional plans		Change plan settings
	Automatically balances performance with energy	consumption on capable h	ardware.
	Power saver Saves energy by reducing your computer's perform	nance where possible.	Change plan settings
See also Personalization Windows Mobility Center			
User Accounts	Screen brightness: 3		а.





From there select	🕞 💭 😵 > Control Panel > Hardware and Sound > Power Options > Edit Plan Settings 🔹 4 Search Control Panel 🔎
Change advanced power settings	Change settings for the plan: High performance Choose the sleep and display settings that you want your computer to use.
	Dim the display: 2 minutes
	Turn off the display: 30 minutes 1 hour
	Put the computer to sleep: 30 minutes 1 hour
	🔅 Adjust plan brightness: 🧧 🗍 🔆 🔅 🧿
	Change advanced power setting:
	Save changes Cancel

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

Select the power plan that you want and then choose settings that reflect your computer to manage power.	to customize, how you want ilable	
High performance [Active]		
On battery: Yes		
Plugged in: Yes		
I Hard disk		
Desktop background settings	=	
Wireless Adapter Settings		
🖂 Sleep		
Sleep after		
On battery: Never		
Plugged in (Minutes); 0		
Allow hybrid sleep		
III Hibernate after		
Restore p	lan defaults	
Testoreb		
OK Cancel	Apply	

dvanced settings	
Select the power plan that you wan and then choose settings that reflect your computer to manage power.	it to customize, ct how you want railable
High performance [Active]	
 Allow wake timers USB settings USB selective suspend setting On battery: Disabled Plugged in: Disabled Plugged in: Disabled Power buttons ant Enabled POCI Express Processor power management Disabled 	
Display Multimedia settings	