ChaDis
Battery Monitor for the Psion Revo / Revo Plus
Freeware by Kevin Millican
Disclaimer
The author can accept no responsibility for any damage to equipment or loss of data resulting from using ChaDis. Use of this program is solely at the user's risk and by using ChaDis you, as the user, imply your acceptance of these conditions.
Welcome
Notwithstanding the above disclaimer, I hope that ChaDis will help you to protect your data and get the very best out of your Revo batteries !
Installation
Install ChaDis by double-clicking on the ChaDis.SIS file in Windows whilst your Revo is connected to the PC under PsiWin, or copy ChaDis.SIS to the Revo and tap it twice from the System screen.
Using ChaDis
Click on the ChaDis icon from the Extras menu. This will display the main ChaDis graph and status. Press the <Enter> or <Escape> key to hide the program.
You can use the <Menu> key to select a few other options.
The graph is initially based on default figures for realistic use. The Revo is capable of running about 12.5 hours, provided that you leave it on and don't press any keys (!) but 9hrs is more typical.
The light grey line shows the average current and is preset to 42mA.
The sloping diagonal plot shows a dark grey 3 pixel line for the region exceeding your last peak charge volts.
The plot changes to black for the monitored zone since your last charge.
The plot switches to a dark grey, 1 pixel thick line for the predicted remaining time.
Over time, the values used will accurately reflect your most recent usage characteristics and will allow you to assess the best time to recharge your Revo based on the way you use it and the real condition of your batteries.
Important
For ChaDis to be effective, it has to remain running in the background so it has been designed to stay running even if it receives a 'Close Program' message from the system screen or when you backup or install other programs using PsiWin. It is therefore recommended that you Backup your Revo once while ChaDis is **not** running. On subsequent backups when ChaDis **is** running, you will see PsiWin making three unsuccessful attempts to close ChaDis before continuing as normal.
To close ChaDis you can select 'Close' from its own menu, type <Ctrl-E> as usual while it is displaying its graph, or in an emergency, 'Kill' it from the System list of running programs (press a shift key while tapping the 'Close File' button).
It is also important that your Revo is switched on whilst it is in the docking station. This allows ChaDis to check for overcharging conditions and also ensures that the graph functions correctly, detecting your 'last charge' position.

Queries and comments should be sent by email to :-
kevin.millican@altavista.net
See also - http://www.kevin.millican.net/Home