# Jeremy's Battery CSM 1.6.4

## What is it?

Jeremy's Battery CSM is designed as a replacement for Apple's Battery Monitor module. Jeremy's Battery CSM module has a more compact display, thereby saving space on the Control Strip for other modules.

In addition, the module can display the relative current clock speed (fast or slow), the hard drive status (on PowerBooks equipped with the latest Power Manager Software), and the estimate of remaining battery time (on PowerBooks equipped with intelligent batteries).

## Compatibility

This module requires a PowerBook.

## Installing the Battery CSM

To install the Battery CSM, it must be placed in the Control Strip folder inside your system folder.   Unfortunately, the Apple system software isn't smart enough to automatically realize that it should go there, so you must drag it to this folder manually.

1)   Open your System folder.
2)   Copy the Jeremy's Battery CSM file to the Control Strip Folder in your System folder.
3)   Restart your computer.

## Configuring the Battery CSM

When the Control Strip first appears after restarting, the Battery module should be displayed, as shown below:

he Battery CSM's main purpose is to display the current battery status.   It does this using the battery icon, which may look like:

f the PowerBook model supports two batteries, and only one is installed, the empty battery compartment is indicated with a dim gray battery outline.

The Battery CSM can also display hard drive, CPU speed, and remaining time information.   The appearance of these is controlled by the module's popup menu.   To make the menu appear, click anywhere on the Battery module, and the following menu will appear:

how drive status

When this item is selected, the hard drive status is shown.   If the drive icon is emanating "sound" waves and has a red "power" light on, then the drive is powered up and spinning.   If the drive is powered down, then the "power" light is gray.   Please note that this option is only available on PowerBooks with the latest Power Manager software; if your PowerBook doesn't support this feature, this menu selection will be dimmed.

Show CPU Speed

When this item is selected, an icon showing the relative clock speed is displayed.   If the system is running at maximum speed, the hare icon is shown.   If the system is running at reduced speed, the tortoise icon is shown.   Note that if your PowerBook only runs at a single speed (like the PowerBook 500 series), this selection is dimmed.

Show time remaining

If your PowerBook is equipped with an intelligent battery, you can display the estimate of battery time remaining.   If your PowerBook doesn't have an intelligent battery installed, this menu selection will be dimmed.

Show battery voltage

When this item is selected, your current battery voltage will be displayed.

Show internal modem

When this item is selected, your current internal modem status will be displayed. The modem indicator will show when your modem is in use when little "sound" waves emanate from the icon.

Show watts

When this item is selected, your current power consumption, in watts, will be displayed.   This indicator is only valid when you are running off batteries, and it is only available on PowerBook 500 and Duo models.

Show percent full
When this item is selected, the battery charge is express as a percentage of full charge.

Show MyBattery Estimate
If this item is selected while MyBattery is running, it will display MyBattery's estimate of time remaining.   This feature only works with MyBattery 3.0 or later.

Spin down hard drive
If you select this option, your hard drive will spin down to conserve power   Please note that this option is only available on PowerBooks with the latest Power Manager software; if your PowerBook doesn't support this feature, this menu selection will be dimmed.

Go to sleep now
When you select this option, your PowerBook will go to sleep immediately.   If AppleTalk is active, you won't receive the "are you sure..." dialog.

## Revision History

### 1.6.4 - 12 June 1997
   - Use new sleep code to prevent occasional crashes.

### 1.6.3 - 11 June 1996

- Check appropriate traps to prevent crashes on incompatible Mac's.

### 1.6.2 - 21 March 1996
    - Allow speed to be displayed on single-speed PowerBooks (i.e., PowerBook 5300's).
    - Converted to Metrowerks CodeWarrior.
    - Enhanced registration method.

### 1.6.1 - 1 October 1995
    - Fixed display bug with Control Strip 1.3.
    - On PowerBook 500's, only displays single battery info if single battery installed.

### 1.6.0 - 29 March 1995
    - Prevent CSM from interfering with screen savers.
    - Display MyBattery estimate if MyBattery 3.0 or later is running.

### 1.5.0 - 20 February 1995
    -  Added option to display percent full.
    -  Cosmetic fixes to battery icon and other indicators.

## 1.4.1 - 13 January 1995
- Optimized code to efficiently draw display.

## 1.4.0 - 11 November 1994
- Draws battery icon correctly when battery empty (affected older PowerBooks).
- Beeps if user tries to spin down drive while spin down is disabled.
- Displays watts on PowerBook 500's or Duos.
- Optimized updates of display to prevent flickering on slower PowerBooks.

## 1.3.0 - 4 October 1994
- Added modem status.
- Added shareware reminder.

## 1.2.0 - 15 September 1994
- Battery icon display has better granularity of display.
- Fixed battery icon display for 1xx series PowerBooks.
- CPU speed indicator not available on models that can't run at reduced speed.
- Modified icon drawing code.

## 1.1.0 - 6 September 1994
- Added "Go to sleep now" menu choice.
- Now displays battery voltages.
- Improved drawing of battery icons.

## 1.0.0   25 August 1994
- First release.