

# 4PM Library 1.0

Note: this is a repeat of the section labelled 4PM Library in the 4PM 5.0 doc.

The 4PM library is used to turn the processor and memory controller counters on and off in conjunction with 4PM.

The 4PM Library has four calls:

```
short  Init4PMLibrary(void);  
void   Delete4PMLibrary(void);  
void   Start4PM(void);  
void   Stop4PM(void);
```

4PM must be running in the background while these calls are executed.

The Init4PMLibrary call will return an error code. It returns noErr (0) if initialization was successful, -1 if the machine is not running a supported processor (a PowerPC greater than 603) or PPCToolbox errors (see Inside Mac: Interapplication Communication).

Init4PMLibrary must be called exactly once before using the library and Delete4PMLibrary must be called before exiting the application that made the init call. Start4PM and Stop4PM may be called any number of times in start/stop sequence. Nesting of start calls is not supported and results may be incorrect.

Counts from multiple start/stop calls will continue accumulating until 4PM is brought to the front. If 4PM is configured to record on intervals, the interval data from multiple start/stop calls will be shown in one long stream of interval data with no notion of where the start and stop calls were.