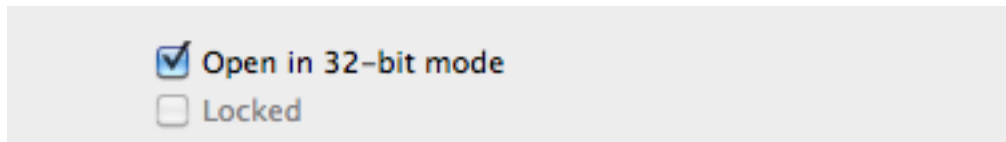


### How do I use Logic Pro or MainStage in 64-bit mode?

You can switch between 32-bit and 64-bit mode following these steps:

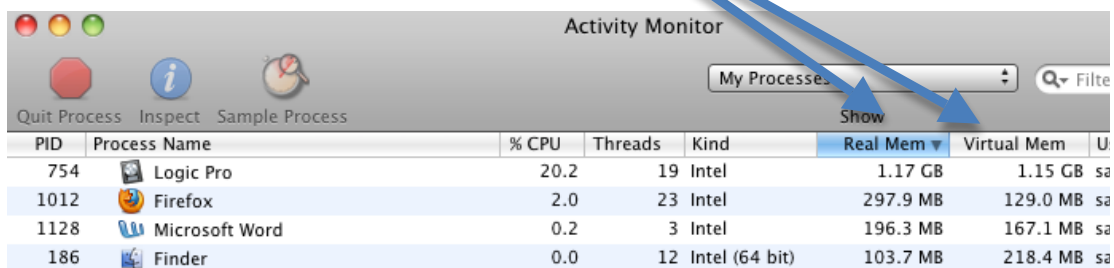
1. Quit Logic Pro or MainStage if it is running.
2. Navigate to the Logic Pro or MainStage application in the Applications folder.
3. Choose **Get Info** from the Finder **File** menu.
4. Disable the option "Open in 32-bit mode" to open in 64-bit mode.



### What advantages are there to using 64-bit mode?

The main advantage is that you can address vast amounts of memory. With 64-bit mode, the application memory is not limited to 4GB as with 32-bit applications, so there is essentially no practical limit by today's standards. As a result, all the installed memory that is not needed by the OS is available for use by Logic Pro or MainStage and all the included plug-ins, which can be meaningful if your Mac has more than 4GB of memory installed. This larger amount of memory allows you to run far more instances of memory intensive plug-ins, such as sample-based software instruments.

Notice the Memory usage in the image below:



Activity Monitor							
My Processes ▾							
Quit Process Inspect Sample Process							
PID	Process Name	% CPU	Threads	Kind	Real Mem ▾	Virtual Mem	U
754	Logic Pro	20.2	19	Intel	1.17 GB	1.15 GB	sa
1012	Firefox	2.0	23	Intel	297.9 MB	129.0 MB	sa
1128	Microsoft Word	0.2	3	Intel	196.3 MB	167.1 MB	sa
186	Finder	0.0	12	Intel (64 bit)	103.7 MB	218.4 MB	sa

Under 32-bit mode, when using 3rd party plugins the combined total of **Real Mem** and **Virtual Mem** cannot exceed 4GB or the system is likely to crash. This example shows the memory usage of one BFD2 instance. Therefore it is unlikely that two or three will run in this configuration. 64-bit Logic removes this limitation.

**For more information please refer to:**

<http://support.apple.com/kb/HT3989>