

New Technical Notes

Macintosh

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Developer Support

OS 520 - Start Manager Q&As Operating System Utilities

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Q&As are now included with Technical Notes to make access to technical updates easier for you. If you have comments or suggestions about Q&A content or distribution, please let us know by sending an AppleLink to DEVFEEDBACK. Apple Partners may send technical questions about Q&A content to DEVSUPPORT for resolution.

SetTimeout refers to device specified by SetDefaultStartup

Date Written: 4/2/91

Last reviewed: 6/14/93

SetTimeout lets you specify the number of seconds the system will wait for the internal hard disk to respond (Inside Macintosh, oluVolume V, page 356). Is this only for a SCSI device at ID=0 or is this the device specified by the SetDefaultStartup call? Can I assume that SetTimeout and SetDefaultStartup are supported if the machine type returned by SysEnviron is greater than a Macintosh Plus? Is there a better way to determine if these calls are supported?

SetTimeOut is for the internal device, whose ID must be zero.

Growable Macintosh system heap does not affect startup process

Date Written: 9/17/90

Last reviewed: 6/14/93

Now that the system heap is growable, what are the new restrictions on the installation and booting that must be observed to ensure that the specs of a 2 MB Macintosh can be met with no perceived performance impairment?

Changes to the startup process have little or no effect on the system heap size issues. The system heap was already growable during patch installation on most of Apple's machines. The change was to make the growing work the same way on the Macintosh Plus and SE as on all the other machines. There are no new implications for system heap size, except that Apple can remove the code in the patches that grow the system heap explicitly (previously needed for the Plus and SE), because all Apple machines now have the automatic growing code active during patch loading. Note that the system heap continues to grow while 'INIT' resources from the system file and from extensions are loaded, and while applications are run (thanks to code from the Process Manager).

Macintosh GetTimeout and SetTimeout documentation fix

Date Written: 5/3/89

Last reviewed: 11/21/90

GetTimeout and SetTimeout aren't working as documented. What's wrong?

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The Inside Macintosh Volume V documentation for the obscure routines GetTimeout and SetTimeout is wrong. The routine selector for InternalWait is passed in A0, NOT on the stack. The assembler macros and Pascal and C "glue" routines for MPW 2.0 based on this information are also incorrect.

The problem was fixed in MPW 3.0. The following macros are defined in Traps.a for MPW 3.0:

```
MACRO
_GetTimeOut
MOVEA.W #0,A0
_InternalWait
ENDM
```

```
MACRO
_SetTimeOut
MOVEA.W #1,A0
_InternalWait
ENDM
```

The return value from GetTimeOut is in D0.