

System 7: Limitations of the Finder (6/95)

Revised:	6/9/95
Security:	Everyone
System 7: Limitations of the Finder (6/95)	
	ed: 5 February 1993 wed/Updated: 9 June 1995
TOPIC	
This article g limits.	gives the limitations of the System 7 Finder and the HFS
DISCUSSION	
Finder Limits	
 Number of op Number of Ap appear when Number of f: available d: Number of ap applications Number of vo Number of vo Number of re Number of re Number of Symemory: The limit them. RAM allocate The Finder so is 32-bit co Disk cache: 	<pre>pen files: 346 pple Menu Items: 52 (more items can added, but only 52 clicking on the Apple Menu icon) iles supported by the Desktop: Unlimited (limited to the isk space see HFS limit) pplications in memory: The Finder does not limit the number of s, but the amount of available RAM does. plumes available on the Desktop: 32 tems in a folder by list view: Up to 32,000 depending on the d RAM. (See the note at the bottom of this article.) esources in the System File: 32,767 or 16 Megabytes ystem Extensions or Control Panels that can be loaded into Finder does not limit these, but hard disk space and RAM can ed to an application with Finder = 99,999K supports 24-bit color, BUT icons are only 8-bit. apports 48-bit color, but the current operating system maximum plor. 320 KB per megabyte of installed RAM</pre>
HFS Limits	
64K items or 65,536 items per volumeThe maximum length of a pathname under the Finderincluding the Volume	

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and Folder--is 255 characters, including colons. For example:

InternalHD:Folder1:Folder2:Filename = 35 characters

"Inside Macintosh, Volume IV" states that there is no limit to the number of levels of subdirectories. Because of pathname limitations, it is not always possible to specify a file using its full pathname.

This limitation has nothing to do with the Finder; it is a limitation of the file system.

Note: Attempting to view large numbers of files in one window, something in the range of 500 - 1500 files creates very slow opening times and drop-out viewing problems. The specific number depends on RAM and CPU.

Article Change History: 09 Jun 1995 - Made grammatical correction. 11 Jan 1995 - Incorporated information from article 5188. 21 Sep 1994 - Changed spec for Disk Cache.

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