

Compact Virtual 3.0

Quick Reference Sheet

Precautions

- Make sure you have the most current version of the software for your accelerator. Not having the most recent versions almost invariably leads to crashes. Call your board manufacturer for details. Below is a list of the minimum version of accelerator board software known to be compatible with Virtual 3.0:

DayStar	1.0 or later
Extreme Systems	1.1 or later
Mobius	4.98 or later
Newlife	1.12 or later
Novy	4.98 or later
Outbound	1.2 or later
TechWorks	1.2 or later
Total Systems	2.2 or later
TransWarp SE	2.2 or later

- Make sure that your accelerator board has a 68030 on it. Virtual will not work with 68020- or 68EC030- (a 68030 without a Memory Management Unit) based boards. However, if your board has a 68020 and a 68851 PMMU, Virtual should function properly.
- As with past versions, check your INIT/Extension management utilities as they may interfere with Virtual's loading.
- To disable Virtual at Start-up, hold down the tilde (~) during the boot process.

Requirements

Compact Virtual 3.0 works with System 6.0.x or later (including 7.0 and 7.1) on the Macintosh Plus, SE, and Classic with many different accelerator products.

Installation

Be sure to turn off virus detection software before starting the installation procedure. To install Virtual, simply double click the Installer on the original distribution diskette. The installer will prompt you to fill in your name and organization. Click the OK button and Virtual will automatically be installed in the System Folder on the current Startup volume. Any old versions of Virtual will be automatically replaced.

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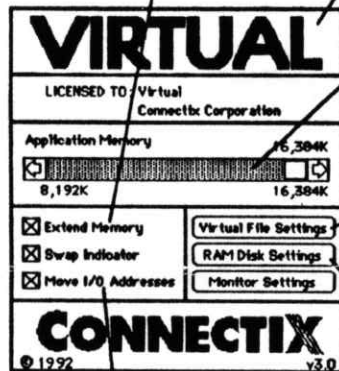
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The Compact Virtual 3.0 Control Panel

The **Extend Memory** check box is the master On/Off switch. This check box used to be "Load Virtual at Boot Time."



Move I/O Addresses

Click this check box in the main control panel to defragment 24-bit addressing to create up to nearly 12MB of contiguous application memory. If this option is not on, the size of any one application that can be opened is usually limited to about 4MB. This feature is optional because there are a very few applications and hard disk drivers which will not properly function with this option on.

Click on **VIRTUAL** at the top of the control panel to display a diagram of the 24-bit address maps. You can try this with and without the Move I/O Addresses option on or off to see the pre-fragmented and the enhanced memory maps.

Slide Bar

Use the slide bar to select the amount of memory (up to 16 MB) available to open applications. Virtual memory is used if more memory is requested than is installed in the Mac.

Virtual File Settings Button

Click this button to open the SwapFile Settings dialog box. Use the dialog box to configure DiskSaver, Delete SwapFile When Not in Use, and Contiguous Disk Space Options.

RAM Disk

If your accelerator board has its own RAM and you have additional memory on the motherboard, this motherboard RAM can be used for a RAM disk. Or, if your accelerator board has more than 4MB of RAM, you can also assign any RAM, from the accelerator board, not used for application memory to the RAM disk.

Note 1: Not all accelerator products can support a RAM disk. The RAM Disk Settings button will be dimmed if the RAM disk is not an option on your board.

Note 2: If you choose not to use a RAM disk, motherboard memory can be used as application memory. At reasonable application memory sizes, can eliminate the need for the SwapFile on the hard disk entirely.

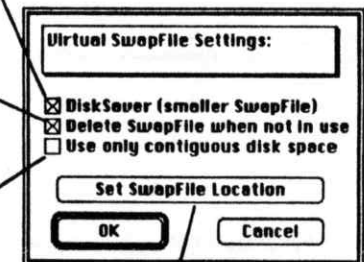
The Virtual File Settings Dialog Box

DiskSaver

DiskSaver is an option which reduces the amount of hard drive space required by Virtual. With DiskSaver on, you will need only as much hard disk space as required to extend memory.

Delete SwapFile When Not in Use

When this option is selected, Virtual automatically deletes the swap file when virtual memory is not being used.



Virtual no longer requires contiguous disk space, but allows users to choose this option. If the box is checked, Virtual will scan for contiguous disk space as it did in earlier versions. Using this option without DiskSaver will result in the fastest settings for virtual memory.

Click the **Set SwapFile Location** button to open a directory dialog box to specify where on your hard disk the SwapFile should be kept. Use the dialog box to open the Folder where the SwapFile will reside, then click the **Use This Directory** button to set it.

The RAM Disk Settings Dialog Box

Click the **Install** check box to install the RAM disk. See below for instructions on setting the RAM disk size.



RAM Disk Volume Folder

The RAM disk options include the ability to set up a folder (the "Volume Folder") on your hard disk from which files can be loaded. Virtual will automatically load at Startup and update files in the Volume Folder at Shutdown (click the appropriate check boxes).

To create a Volume Folder, copy your files onto the RAM disk. Then, while holding down the Command key, select Restart. A copy of the RAM disk will then be created on your hard disk.

Image Method

The Image Method copies a "bit-image" of the RAM disk into an "image file" in the Volume Folder, rather than a file by file copy. This method is often faster when loading and saving, but can make it much harder to change RAM disk sizes.

Click the **Set Volume Folder** button to open a directory dialog box to specify where on your hard disk the Volume Folder is. It functions similarly to the Set SwapFile Location dialog box. Use the dialog box to open the Volume Folder, then click the **Use This Directory** button to set it.

Setting the RAM Disk size

To set the size of the RAM disk, use the slider bar. The slide bar sets the amount of RAM from the accelerator board used for application memory. The remainder, along with any motherboard memory, can be used for the RAM disk.

RAM Disk Special Keys

- If your RAM disk contains a System folder, the RAM disk will automatically become the Startup volume. To by-pass this feature, hold down the option key during the boot-up process.
- To disable the RAM disk, uncheck the Install check box and restart or hold down the Minus (-) key during the boot process.