

he following items are listed in groups because they are only used together. Chances are that if you aren't using one, you aren't using any, so you can disable them all. (I have tried to note whether each item is an extension, control panel, shared library, etc. by noting the type after the item's name. For more detail on what shared libraries, documents, etc. are, see the "Non-RAM" chapter.)

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The following "Groups" are summarized in this chapter:

Apple Guide  
Apple Remote Access  
At Ease  
CoolTalk  
CyberDog  
Geoport/Express Modem & Apple Telecom Applications  
OpenDoc

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## APPLE GUIDE:

Actually, only the Apple Guide extension takes up system RAM; the individual modules, called "mixins," are documents. But for those of us who just want to keep things neat, you can remove all of them:

NOTE: There is a known bug in Apple Guide. If you are having trouble with Apple Guide functioning properly, make sure you don't have mixins installed for items that are not on your computer. Some examples of this: having the "PowerBook Guide Additions" on a desktop Mac; "Speech Guide Additions" on a Mac not running PlainTalk; AV-related mixins on a non-AV Mac. To solve the problem, just remove the offending mixins. (Thanks to Bob LeVitus and Chris Breen for this tip.)

- Apple Guide (CP) (v2.1.1) [20/64]: provides an interactive help system for the Mac's system software and "Apple Guide-Savvy" applications. When installed, you can access the Apple Guide system from the Apple Guide menu at the upper right of the screen (the ? next to the Finder's application menu). Version 2.1 is the latest general release. Version 2.1.1 is part of the Apple Telecom 3.1 package.
- Apple Guide Enabler (v2.0.1): allows earlier versions of Apple Guide to work with pre-7.5 system software.
- 7200 & 9500 Guide Additions (v n/a): info specific to the PM 7200 & 9500
- 7500 & 8500 Guide Additions (v1.0): info specific to the PM 7500 & 8500
- 9500 Guide Additions: info specific to the PM 9500
- About Apple Guide (v1.3): help for the help system (amusing, I think)
- AppleCD Audio Player Guide
- AppleVision Guide Additions (v1.1)
- AV Guide Additions
- AV Monitors Guide Additions (v1.1)

- Display Guide Additions (v1.0.1)
- Energy Saver Guide Additions (v1.1)
- IR File Exchange Guide (v1.1): help on Infrared networking on newer PowerBooks
- Macintosh Guide (v1.3): the general help file for the Finder
- Monitors & Sound Guide Additions (v1.0): for the new control panel
- Network Guide Additions (v1.3): info on networking
- Open Transport Guide Additions (v1.3.1): info on Open Transport
- PB 500 Upgrade Guide Additions (v1.3)
- PB 2300 Guide Additions (v1.3)
- PB 5300 Guide Additions (v1.3)
- Shortcuts (v1.3): a help file which documents keyboard commands and other shortcuts in the Finder
- SimpleText Guide (v1.0.1)
- Sound & Display Guide Additions (v1.0.1): replaced by Monitors & Sound Guide Additions
- Sound/Monitors Guide Additions (1.3)
- Speech Guide Additions (v1.4.3)
- Tutorial Items: used by the Mac's built-in tutorial system
- Video Guide Additions
- anything with "guide" in the name is probably an Apple Guide module

You may see Apple Guide modules that come with other applications; unless they are installed in the extensions folder, or you are specifically told to move them to the extensions folder, leave them where they are. Some modules belong in particular places, in which case the application tells the Apple Guide system where to look.

## APPLE REMOTE ACCESS:

- Apple Remote Access Client (Ext) (v2.1) [NA]: enables the Apple Remote Access system. Allows you to connect to a Remote Access server.
- Dial Assist (application posing as a CP) (v2.1) [NA]: allows you to set options such as your city, country, area code, and dialing prefixes (such as long distance, call waiting disable, etc.) and suffixes (such as a calling card #).
- Link Tool Manager (Ext) (v2.1) [NA]: supposedly improves the error correction handled by ARA.
- Modem Link Tool Personal (Ext) (v2.1) [NA]: uses the "Modem LinkTool Personal" documents to allow ARA to work with various modems.
- Remote Access Aliases (Ext) (v2.1) [28/35]: if you create an alias of an ARA-networked volume on your own computer, allows you to later connect to the volume by automatically dialing up the ARA server and logging onto the volume when you double-click on the alias. Supposedly eliminated by the latest ARA update.
- Remote Access Setup (CP) (v2.1) [7.5/0]: lets you set up your modem correctly for use with Apple Remote Access. It also allows you to setup Remote Access to answer phone calls if your version of ARA offers that option.
- Remote Only (Ext) (v2.1) [NA]: extension to the Network control panel. Allows you to turn on AppleTalk networking when both the printer port and the modem port on your computer are already in use. Allows you to use AppleTalk over Apple Remote Access without dedicating a serial port to AppleTalk (for example, to use AppleTalk over the modem only when using ARA). If you are unable to print to an AppleTalk printer, you may have chosen this as your network option.
- Serial Port Arbitrator (Ext) (v2.1) [NA]: provides ARA with the ability to prevent other applications from using the serial port while ARA is active. Allows more than one application to use the serial port if ARA is configured to answer the phone. Incompatible with Serial DMA before System 7.5.3. Newer version of Serial DMA, which is built into 7.5.3, is compatible.

## AT EASE:

At Ease allows you to set up your computer so that users can only use certain applications/ folders/

documents. It also prevents them from accessing and reconfiguring the system. When running At Ease, the Finder is replaced by a simple "launcher"-type interface, which is configurable using the "At Ease Setup" application so that different users (or groups of users) have their own custom setups.

- At Ease: this file is actually located in the System Folder. The "At Ease Startup" extension (below) looks for this file at startup, and if it is not present, At Ease is unable to launch.
- At Ease 7.5 Layer Patch (Ext): when "Show Desktop when in background" is not checked in the General Controls control panel, the System software "hides" the Finder when another application is in the foreground. At Ease, on the other hand, tries to stay visible in the background when an application is launched. When using version 2.0.3 of At Ease under Systems 7.5 and 7.5.1, and both of these circumstances occur at the same time (using At Ease with the "Show Desktop" box unchecked), the Process Manager in the System software can't decide whether or not to "hide" At Ease and crashes. This patch fixes this problem (but, again, it is only necessary for version 2.0.3 of At Ease when used under Systems 7.5 and 7.5.1).
- At Ease Items: this folder, stored in the System Folder, contains all the user info and preference files for At Ease.
- At Ease Startup (ext): extension which causes the computer to startup in At Ease instead of the Finder. Requires that the file "At Ease" (above) be present in the System Folder.

#### AT EASE FOR WORKGROUPS:

- If you are using At Ease for Workgroups, the "At Ease Items" folder (above) may be named "At Ease Items WG."
- At Ease Server (ext): under At Ease for Workgroups, this extension is located on the At Ease AppleShare server. It allow the server and workstations to communicate with each other without the workstations actually having to log into the server.

#### COOLTALK:

CoolTalk is a real-time audio internet conferencing system developed by Netscape in cooperation with Apple. It offers two-way audio conferencing, an interactive on-screen "white board," text "chat" module, and "answering machine." It works either as a stand-alone product or in conjunction with Netscape. CoolTalk uses Apple's QuickTime Conferencing technology for Mac support. It requires a PowerMac using System 7.5.3 or higher, but you can conference with people using CoolTalk on other platforms (Windows, HP-UX, IRIX, OSF1, Solaris, SunOS). The latest version as of this writing is 1.5. Note that CoolTalk has a possible conflict when the Apple Video Player is running. It also has problems when the extensions for the Avid Cinema Card are installed.

- Video Startup (v1.4.2): this is newer than the latest version installed by Apple's software.
- Voxware (v1.0.2) (document)
- SNMP QTC Agent (v1.5) (shared library): provides SNMP support for QuickTime Conferencing technology.
- QuickTime Conferencing (v1.5) (component)
- QTCCOMPONENTDV (v2.0) (component)
- PPP (v2.5.1) (extension): works with the "Config PPP" control panel to allow PPP connections using MacPPP.
- Netscape GSM Codec (v1.0) (component): an audio compressor/decompressor (codec) that enables communication with CoolTalk on other platforms.
- H.261 (v1.0.4) (component): for an explanation of this file, see the entry for it under "QuickTime Conferencing."
- Apple GSM Codec (v1.0) (component)

#### CYBERDOG:

CyberDog is Apple's all-in-one "component" solution for email, web browsing, Usenet reading, AppleTalk browsing, FTP exchanges, and Telnet sessions. The CyberDog package installs the following files in the Extensions folder:

- Internet Config (v1.2): see entry in the "Third-Party Extensions" chapter. Note that the newest version is 1.3.
- Text Encoding Converter (v1.0.3) (shared library): enables your Mac to convert character sets.
- VT102 (v1.0.2): see entry in the "Non-RAM" chapter.

## GEOPORT/EXPRESS MODEM & APPLE TELECOM APPLICATIONS:

The GeoPort Telecom adapter/modem and the GeoPort software apparently only work on PowerMacs, PowerPC Performas, and the Centris/Quadra AV models, which all have the enhanced Geoport serial ports. Note: If you are using a GeoPort Telecom Adapter on a Power Macintosh 7200, 7500, 7600, 8500, or 9500 series, Apple's Telecom software will not work if you have any LocalTalk devices connected to your Mac. Simply turning off AppleTalk will not solve the problem; you must physically disconnect any LocalTalk devices. Serial printers can remain attached. I have been told that after updating to Apple Telecom 3.03 this problem no longer occurs, but the problem is still listed in the documentation for Apple Telecom 3.1.

Note that if you install System 7.5.5 Update, and then install Apple Telecom 3.0 or Express Modem 3.0, your Express Modem will not function. You must install the System 7.5.5 Update again, since it will update your Express Modem 3.0 file to v3.0.1. If you are using Apple Telecom v3.1, this is not a problem, as the Express Modem software installs version 3.1.

There are actually two "sets" of extensions installed by Apple Telecom 3.x: the GeoPort/ Express Modem software and the Apple Telecom software. They are listed below. If an item is followed by a configuration, it means that the item is only installed on systems with that configuration. Note that both packages also install other files in your System Folder. You should read the "ReadMe" files which are installed to find out more.

### GEOPORT/EXPRESS MODEM:

According to the documentation that accompanies the latest Apple Telecom (v3.1) installers, the GeoPort/Express Modem software is only supported on the following system configurations:

- o Original GeoPort Telecom Adapter or GeoPort Telecom Adapter II: Performa 6360, all PowerMacs, all PowerPC Performas (except the 5200, 5300, 6200 and non-6360 6300 models).
- o GeoPort Internal Modem: Performa 6360 and the 5400, 6400 series.
- o Apple PowerBook Duo 14.4 Modem (internal): PowerBook Duo 2300 (including 200-series Duos with the PowerPC logic board upgrade).
- o Apple PowerBook Express Modem II Card (internal): PowerBook 500-series with the PowerPC processor upgrade.

If you are using the GeoPort Telecom Adapter on a Quadra 660AV/840AV, it seems that you should stick with version 3.0.x.

- AudioTuneUp (Ext): fixes a distorted sound problem that occurs when using MegaPhone on some Performas and/or GeoPort modems on PowerPC Macs (only automatically installed on 9500s with System 7.5.2; supposedly helps some other configurations, in which case you have to do a "custom install").

- Apple Telecom Modem (document) (v3.0.3) [NA]: enables the Geoport pod and serial port.
- Express Modem (CP) (v3.1) [160.5/949]: displays modem status info for the Apple Express Modem and provides settings options. Tricky setting: if you are using a GeoPort modem, you should select "Express Modem" rather than "External Modem" even though the GeoPort is an external modem. Go figure. Well, actually, the GeoPort is an "internal" modem... it uses the Mac's processor as the modem hardware. The "pod" that attaches to the serial port merely converts the analog phone signal to a digital signal that the Mac's processor can understand, and vice versa.
- Express Modem Tool (comm tool) (v3.1) [NA]
- GeoPort for Power Macintosh (shared library) (v3.1) [NA]: GeoPort configurations only. Installed by both the Geoport modem and the QuickTake camera. Needed on all PowerMacs, including the newer PowerBooks, for the Geoport modem and/or QuickTake camera to work.
- GeoPort Extension (Ext) (v3.0): Installed by Apple Telecom 3.0 for GeoPort/660AV/840AV configurations only. Since v3.1 no longer supports the 660AV and 840AV, this file is not updated.
- GeoPort Serial Driver (shared library) (v2.0) [NA]: GeoPort configurations only. Installed by both this software and the QuickTake camera software. Supports the use of the serial port by the Geoport modem.
- GeoPort Telecom Adapter (shared library) (v3.1) [NA]: GeoPort configurations only. Enables the DSP in the AV machines and the PPC chip in PowerMac machines to emulate a modem.
- GeoPort Telephone Tool (comm tool) (v3.1) [NA]: GeoPort configurations only. Allows the Geoport modem to distinguish between voice calls and fax calls. If you don't use your Mac to receive both fax and voice calls, you don't need this file.
- GeoPort/Express Modem: Apple Remote Access CCL/modem script
- GeoPort/Express Modem CNG: Apple Remote Access CCL/modem script which adds calling tones to the modem signal. If you dial into a system that handles data, voice, and fax calls, these tones allow the machine you are calling to detect if the call contains data.
- Serial Extension (shared library) (v2.2) [NA]: GeoPort and 6100/7100/8100 series only (v3.0.x also installs this file on GeoPort 660AV/840AV configurations).
- Serial (Built-in) version 1.2.2 (Ext) (GeoPort/5400/6400/6360 series only).
- Shared Library Manager (v2.0.1): GeoPort configurations only. See entry in the "Extensions" chapter. Note that this extension is also installed by other software, including Open Transport, so don't remove it unless you're sure you don't need it.
- Shared Library Manager PPC (v2.0.1): GeoPort/Power Macintosh configurations only. See entry in the "Extensions" chapter. Note that this extension is also installed by other software, including Open Transport, so don't remove it unless you're sure you don't need it.
- Telephone Manager Extension (Ext) (v3.0.3) [1/0]: GeoPort configurations only.

#### APPLE TELECOM APPLICATIONS:

The latest Apple Telecom software package (v3.1) includes fax and phone software for use with PowerMacs, PowerPC Performas, and PowerPC PowerBooks and PowerBook Duos running System 7.5 and higher. Although it was originally intended to work with some 680x0 Macs, problems with the "CFM-68K Runtime Enabler" extension (see entry in the "Extensions" chapter) prevented Apple from supporting the software on non-PowerPC computers.

- AddressBookLib.ppc (shared library) (v1.03) [NA]: Power Macintosh computers only. Provides support for the Fax/Phone address/phone number book.
- AddressBookLib.68K (shared library) (v1.02) [NA]: with earlier versions of the Apple Telecom software, this file was installed on 680x0 computers.
- Apple Fax Gateway (Ext) (v3.x) [NA]: only installed on systems which have PowerTalk installed. Allows you to send faxes over PowerTalk, rather than over the phone/modem.
- Apple Phone Extension (appe/Ext) (v1.03) [1/0]: actually a "background application"/extension, it runs in the background watching for incoming phone calls. If you want to disconnect your GeoPort adapter, you should run the "Quit Apple Phone Extension" script first. After you have re-connected the adapter, use the "Launch Apple Phone Extension" script to restart the appe. These two scripts are located in the "More Phone Scripts" folder in your Apple Telecom folder.
- AppleScriptLib (v1.2.2) (shared library): See entry in the "Non-RAM" chapter. Note that this shared library is also installed by other software, so don't remove it unless you're sure you don't need it.
- CFM-68K Runtime Enabler (v1.0.4) (ext): installed by Apple Telecom 3.0.x on 68K computers only. Allowed 680x0 Macs to use the Code Fragment Manager. You should remove this file from your

computer (see the entry in the "Extensions" chapter for details).

- Fax Extension (v3.0.6) [71/128]: enables fax capabilities using the Geoport modem
- Fax Sender (v3.0.4) [NA]: chooser extension which allows faxing from within applications using the Geoport modem.
- Fax Sender GX (v3.0.4) [NA]: a QuickDraw GX chooser extension which allows faxing from within applications using the Geoport modem.
- Log Extension (shared library) (v3.0.3) [NA]
- ObjectSupportLib (shared library) (v1.1/v1.0.2): version 1.1 is installed by Apple Telecom 3.0; version 1.0.2 is installed by Apple Telecom 3.1. Version 1.0.2 is the correct one to have (see "Shared Libraries" in the "Non-RAM" chapter for details). Note that this library is also installed by other software, including AppleScript, so don't remove it unless you are sure you don't need it.

## OPENDOC:

Explaining OpenDoc is a challenge, so here's a quote from the "About OpenDoc" file:

"OpenDoc is a new plug-in software architecture that lets you extend the usefulness of your applications by easily adding new functionality. OpenDoc uses software components—called parts—that can be dragged-and-dropped into documents created by any OpenDoc-aware application. You can combine parts from different Mac OS software developers to add tables, graphs, outlines, and even live Internet resources into your documents. Since OpenDoc is a cross-platform technology, documents created with OpenDoc can work across different computer platforms, including Mac OS, Windows, UNIX, and OS/2."

- SOMobjects for MacOS (v2.0.8): a MacOS implementation of IBM's Standard Object Model (SOM). SOM allows components and component software written in different languages to exchange data and instructions. It allows "objects" to break free from ties to a specific programming language. A quote from IBM explains further: "SOM's language-neutral character not only allows robust software objects to be easily used and reused wherever they're needed, it also enables a greater degree of openness than ever before in the development and use of object-oriented programming (OOP) facilities across multiple operating platforms. What's more, SOMobjects incorporates Distributed SOM technology, which provides a base for OOP development and use over entire networks." According to Apple, some users have experienced a Type 11 error when launching OpenDoc v1.0. There is an incompatibility between some systems and version 2.0.7 of the SOMobjects file, which is installed by OpenDoc 1.0. The next release of OpenDoc will address this bug. If you are experiencing these problems you should install SOMobjects for MacOS 2.0.8, available from Apple, until the next release of OpenDoc is available.
- CFM-68K Runtime Enabler (v1.0.4): important: see entry in the "Extensions" chapter.
- NuDragLib.slb (v1.1): see the "Non-RAM" chapter.
- NuThreadsLib.slb (v2.1.1) : see the "Non-RAM" chapter.
- NuTranslationLib.slb (v1.0.1) : see the "Non-RAM" chapter.
- Editors: actually a folder found loose in the System Folder. Contains "part editors" for OpenDoc which are actually "mini-applications" that can each work with different types of data. According to Apple's documentation, "Once an editor is installed, it works something like a system extension -- its functionality is available but you don't open or use the editor itself."
- OpenDoc Libraries: again, a folder, but this one is found in the Extensions folder. It contains the following files used by OpenDoc:
  - o Memory Manager (document)
  - o OpenDoc Dialogs Lib (document)
  - o OpenDoc System Data (document)
  - o OpenDocLib (document)
  - o OpenDoc (application)
- On pre-7.5.1 systems, the following files are installed (see their entries in the "Non-RAM" chapter):
  - o MathLib
  - o ThreadsLib