Tech Info Library

AppleShare Client For Windows 1.0 Read Me (1/97)

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TOPIC ---

This article is the AppleShare Client For Windows 1.0 Read Me file.

DISCUSSION --

This document provides late-breaking news about AppleShare Client for Windows.
It contains the following sections:

- For More Information
- IMPORTANT PRE-INSTALLATION INFORMATION
  - Windows for Workgroups 3.11 and unsupported network adapters
  - Windows 3.1 and 3.11 and unsupported network adapters
- Changing the location of print spool files
  - Viewing Mac OS-formatted files from Windows and DOS applications
- Text-file differences between Mac OS and Windows
- Saving the battery charge on your portable computer
- Supported printer drivers
- Obtaining updated LaserWriter printer drivers
- Useful network utilities
  - Obtaining information about Apple products for DOS and Windows
- Removing the Farallon PhoneNET PC product

For More Information
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Refer to the following documentation for more information:

"Getting Started With AppleShare Client for Windows"-This printed manual
describes how to install the AppleShare Client application.

AppleShare Client Installer Help - This file describes installing, remove, and
re-installing the AppleShare Client application. AppleShare Client Installer
Help is available through the AppleShare Client Installer.

AppleShare Client Help - This file describes the features of the AppleShare
Client application and how you use it to share network resources. AppleShare
Client Help is available through the AppleShare Client application.

PROBLEMS.WRI - This file describes potential problems you might encounter while
installing and using the AppleShare Client application, describes possible
causes for those problems and provides suggested solutions to those problems.
PROBLEMS.WRI is stored on the AppleShare Client for Windows Disk 1. During
installation, it is copied into the C:\APPLE\A_SHARE directory by default.

USERINST.WRI - This file, located on the AppleShare Client for Windows Disk 2,
describes how to install the AppleShare Client application. This file is
provided to allow the system administrator to modify the installation
instructions for site-specific purposes and distribute them to users. During
installation, it is copied into the C:\APPLE\A_SHARE directory by default.

IMPORTANT PRE-INSTALLATION INFORMATION
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Before installing AppleShare Client for Windows, you should determine whether
you are using supported Ethernet network adapter hardware. If your network
adapter is not in the following list, you may still be able to use AppleShare
Client for Windows. For more information, see the section "Windows for
Workgroups 3.11 and Unsupported Network Adapters" or "Windows 3.1 and 3.11 and
Unsupported Network Adapters," as appropriate for your version of Windows.

AppleShare Client for Windows supports the following network adapters:

AE2MC   Artisoft AE-2 MCA Ethernet
ANR   Artisoft Noderunner 2000 (NE2000)
ARTAE3   Artisoft LANtastic Ethernet AE-3 (NE2000)
ARTAE2   Artisoft LANtastic Ethernet AE-2 (NE2000)
ASANTENW   Asante NWMLID Ethernet
ASANTEMC   Asante 2100 series MCA Ethernet (NE2100)
ASANTE   Asante 2000 series Ethernet (NE2000)
EII   3Com EtherLink II Adapter (3C503)
EII16   3Com EtherLink II/16 Adapter (3C503)
EIII   3Com EtherLink III Adapter (3C5x9, 3C509)
EIIIEISA   3Com EtherLink III (3C5x9, 3C579 EISA)
ELIIIMC   3Com EtherLink III (3C529 MicroChannel)
EL1616   3Com EtherLink 16 (3C507 in 16 bit slot)
EL168   3Com EtherLink 16 (3C507 in 8 bit slot)
ELMC   3Com EtherLink/MC (3C523 MicroChannel)
EXP16   Intel EtherExpress 16 Ethernet
NE2000   Novell NE2000 or compatible Ethernet
SMC8003   SMC EtherCard PLUS Elite (8Bit)
SMC8013   SMC EtherCard PLUS Elite16C,& 8216
XIRCOM   Xircom Pocket Ethernet
XIRCOM2   Xircom Pocket Ethernet II
XIRCOM3   Xircom Pocket Ethernet III
XIRCOMC   Xircom Creditcard Ethernet

Windows for Workgroups 3.11 and Unsupported Network Adapters

If you are using Windows for Workgroups 3.11, use your Windows for Workgroups

installation disks to install your network adapter. Once the network adapter is working in Windows, you can install the AppleShare Client for Windows software using the normal installation procedures.

Windows 3.1 and 3.11 and Unsupported Network Adapters

If you are using Windows 3.11 or Windows 3.1 without Windows networking software, and you have an a vendor-supplied ODI driver for your unsupported network adapter, you may be able to use the procedures in this section to install AppleShare Client for Windows.

WARNING: Installing your system for networking requires that you manually install the network adapter driver and edit your driver configuration file and your DOS startup batch files. Performing these procedures incorrectly can cause your computer to fail.

Before performing the following procedures, you should locate the software and documentation that came with your network adapter. As you perform the procedures, you will need information from the documentation.

1) If your network adapter is not already installed, install and test it, following the instructions in your network adapter documentation.

2) Restart your computer and run Windows.

3) Run the INSTALL.EXE program on the AppleShare Client for Windows Disk 1.

4) In the Installation Options dialog box, choose the Standard Installation option and click Continue. The Select Adapter dialog box appears.

5) Select the line at the end of the adapter list that reads "[Other] Unlisted Adapter Option," and click OK. The Network Adapter Settings dialog box appears.

6) Enter the configuration settings for your network adapter. If possible, select values that match the adapter configuration settings you used in completing step 1 above. If no matching settings are displayed, simply continue with step 7. If you are already running ODI-based networking software, AppleShare Client for Windows Installer will use your existing network adapter configuration settings.

7) Complete the AppleShare Client for Windows installation.

8) Exit Windows and restart your computer as instructed by the Installer. If your computer was not already running ODI-based networking software, continue with step 11.

9) If your computer was already running ODI-based networking software using your network adapter card, edit the file ATDRIVER.BAT (in the C:\APPLE\A_SHARE directory by default). Remove the word "REM" from the beginning of the last line so that it reads "C:\APPLE\A_SHARE\ODI.EXE".

10) Restart your computer. AppleShare Client for Windows is completely installed and should run when you start Windows. Skip the rest of this procedure.

11) Use DOS to copy the ODI driver and any supporting files for your network adapter to your AppleShare Client for Windows directory. The default directory path is C:\APPLE\A_SHARE.

12) Edit the NET.CFG file in the C:\APPLE\A_SHARE directory. First, replace all strings of four consecutive X characters (that is, XXXX) with the file name of your driver, excluding the .COM extension for the file. Next, change any parameters that do not match your adapter configuration settings. Check the values for the following parameters:
- the interrupt request level, a one- or two-digit number preceded by
  INT #1
- the I/O port number, a 3-digit value such as 300, preceded by PORT #1
- the direct memory access channel, a value of 1 or 2 preceded by DMA
- the memory access address, a data address value such as D8000, preceded
  by MEM You should consult your network adapter card documentation to
  determine if other parameters are required for your system. Finally,
  save the NET.CFG file.

13) Edit the file ATDRIVER.BAT (in the C:\APPLE\A_SHARE directory by default). First, remove the word "REM" from the beginning of every line. Next, replace the string "XXXX" in the second line of the file with the filename of your network adapter driver. Be sure to include the filename extension.

14) Save the ATDRIVER.BAT file.

15) Restart your computer by turning it off and then on. AppleShare Client for Windows is completely installed and should run when you start Windows. If you experience any problems after completing these instructions, see the file C:\APPLE\A_SHARE\PROBLEMS.WRI.

Changing The Location Of Print Spool Files
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You may want to change the location of the spool files used by the AppleShare Client to store PostScript print jobs until they can be sent to the networked LaserWriter printer. For example, you may want to store these files in their own directory or on a disk with more free space. Do not change the spool file location to a floppy disk or to a CD-ROM disc. It is recommended that you do not change the spool file location to a removable cartridge drive or a network drive unless you are certain that it will be available at all times.

To change the location of the spool files, you must edit the [ports] section of the WIN.INI file. There are three spool files, each on its own line, in the form C:\LWx.PRN=. Edit each line to change the pathname of the file. Do not change the filename itself (LWx.PRN). Also be sure to retain the equal sign (=) at the end of the line. Do not add a colon before the equal sign; it is a special identifier only for ports such as LPT1: and COM1:.

Viewing Mac OS-Formatted Files From Windows and DOS Applications
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AppleShare Client for Windows hides Macintosh files that contain resource forks

to prevent their being damaged by an incompatible application or operating system. See the section "Macintosh File Formats" in AppleShare Client Help for additional information.

AppleShare Client for Windows can be prevented from marking these files as hidden, thereby allowing access to the portions of these files that Windows applications might be able to use. To prevent hiding these files, add the following lines to the ASHARE.INI file (C:\WINDOWS\ASHARE.INI):

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[FileRedir]
HIDERESFILES=FALSE
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WARNING: Changing this value does not change the format of Macintosh files; you should use these files only with great care.

Text File Differences Between Mac OS and Windows
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A Mac OS-formatted text file contains a single character to indicate the end of a line of text. Windows text files contain two characters for this purpose. Some Windows-based text-viewing programs like NOTEPAD and WRITE require text files to contain the DOS/Windows two-character ASCII combination (line feed and carriage return) to indicate the end of a line. Consequently, an entire text file created on the Macintosh may appear as a single line of text to such applications.

If a text file that you create under Windows is opened and then saved (even as a text file) by a Mac OS-based application, the file will be formatted for the Mac OS. Many word processing applications can process multiple file formats. Other low-cost file- and text-translation utilities are readily available for converting text files and other types of documents.

Saving The Battery Charge On Your Portable Computer
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Most portable computers minimize battery drain by running the hard disk only when necessary. To provide timely printing of your files, the AppleShare Client print spooler checks the disk every five seconds for pending print jobs. This level of disk activity can significantly shorten the battery charge time. If your computer is not printing to a network printer, you may want to disable the print spooling temporarily.

One easy way to disable the print spooler is to disconnect all assigned network printers. To disconnect printers, click the print services button in the main AppleShare Client window, select each printer, and click Disconnect.

Supported Printer Drivers
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• Provided with Windows installation disks
Apple LaserWriter

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Apple LaserWriter Plus
Apple LaserWriter IINT
Apple LaserWriter IINTX


• Provided with AppleShare Client for Windows
Adobe Default Printer
Apple LaserWriter 16/600 PS
Apple LaserWriter Pro 600
Apple LaserWriter Pro 630
Apple LaserWriter Select 320
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Obtaining Updated LaserWriter Printer Drivers
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• Windows LaserWriter drivers available
LaserWriter Pro 810
LaserWriter Select 360
LaserWriter Select 310
Personal LaserWriter NTR
LaserWriter Pro 600/630

• CompuServe
(go aplsup) Apple Support Forum:
Browse Libraries: DOS/Windows SW

• Apple FTP
Apple Support (ftp.support.apple.com)
PUB:APPLE SW UPDATES:US:DOS & WINDOWS

• eWorld
Apple Technical Support

Useful Network Utilities
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The PC Exchange utility from Apple computer allows you to use your Macintosh
computer to format floppy disks for PC computers and to store PC-formatted files
on your floppy disks and SCSI hard drives. PC Exchange can be purchased at Apple
dealers, and it is included for free in the Mac OS System 7.5.

The PC Net Exchange utility associates a PC icon with PC files stored on a
Macintosh server. If you have PC Exchange installed, adding PC Net Exchange
allows you to specify document-to-application and document-to-icon mapping based
on the filename extension. PC Net Exchange can be downloaded for free from the
following sources:

• America Online
  keyword: applecomputer

• CompuServe
(go aplsup)

• Apple on the Internet
    Worldwide Web: <http://www.info.apple.com/swupdates>
    ftp: <ftp://ftp.info.apple.com>

Obtaining Information About Apple Products For DOS & Windows

• CompuServe:
(go apltil) Apple Tech Info Library

• The Apple Support and Information Web Server, www.info.apple.com
Web URL   <http://www.info.apple.com>
Web IP address   204.96.16.2

• The Apple Support FTP site
Apple Software Updates   <ftp://ftp.info.apple.com>
IP address   204.96.16.4

Removing The Farallon PhoneNet PC Product
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Farallon PhoneNET PC cannot be used on the same computer with AppleShare Client
for Windows. To avoid disabling your existing network services, the AppleShare
Client for Windows Installer currently will not run if PhoneNET PC is already
installed. If you want to replace PhoneNET PC with AppleShare Client for
Windows, you must first remove PhoneNET PC from the system. At the time this
Read Me file was written, no commonly available utility is known to successfully
remove the entire PhoneNET PC. This section details how to remove the product so
that you can install AppleShare Client for Windows. (You must perform steps 2
and 5 at a minimum to install AppleShare Client for Windows successfully.)

IMPORTANT: Before you remove any network software, you should ensure that no
important application depend on that software.

The files that you will change or delete are located in four directories:

C:\
C:\PHONENET
C:\WINDOWS
C:\WINDOWS\SYSTEM

To remove the PhoneNET PC product, perform these steps:

1) Back up all PhoneNET PC files and all system files that contain references to
them:

• In the directory C:\
CONFIG.SYS
AUTOEXEC.BAT

• In the directory C:\PHONENET
All files. Especially important are the NET.CFG file and the network adapter

driver file. You can recognize the driver by the .COM extension of its filename. When you install AppleShare Client for Windows, you will re-install the driver, and you may need to enter the settings for your network adapter card that are contained in the NET.CFG file.

- In the directory C:\WINDOWS

SYSTEM.INI
WIN.INI
PROGMAN.INI
DOSAPP.INI
PHONENET.INI
PHONENET.GRP
TIMBUKTU.BMP
TIMBUKTU.HLP

- In the directory C:\WINDOWS\SYSTEM

ADSP.DLL
PNTPROTO.DLL
PNTDATA.DLL
FPRINT.386
PNTALK.DRV

2) Delete or "remark out" any command lines in the AUTOEXEC.BAT file that reference or call PhoneNET PC batch files. For example, if your system is configured to start PhoneNET PC when your system boots, your AUTOEXEC.BAT probably contains the following command line, which must be deleted:

CALL C:\PHONENET.BAT

You should delete or remark any command lines calling the following batch files and executables:

AARP.COM
ABOTH.BAT
AFILES.BAT
APRINT.COM
APRNT.BAT
ASHARE.COM
ASP_WS.COM
ATALK.COM
EXTEND.BAT
PNTVDD.EXE

3) Edit the C:\CONFIG.SYS file.
In the command line beginning "LASTDRIVE=" set the drive letter to P.

4) Delete the C:\PHONENET directory and all the files in it. These files are as follows:

3C509.COM
AARP.COM
ABOTH.BAT
AFILES.BAT

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ANET.EXE
APRINT.COM
APRNT.BAT
ASHARE.COM
ASP_WS.COM
ATALK.COM
ATNET.DLL
CHOOSER.EXE
CHOOSER.HLP
COMPAT.COM
DA.DTA
DA.EXE
DA.HLP
DESPOOL.EXE
EXTEND.BAT
LSL.COM
MAKECFG.EXE
MINSES.EXE
NET.CFG
PAP_WS.COM
PHONENET.BAT
PHONENET.WRI
PNSN
PNTVDD.EXE
QIAO.DLL
README.DOC
REDIR.EXE
ROUTE.COM
SETUP.LOG
SPOOL (a subdirectory)
TB2.EXE
TB2RECPB.DLL
TB2TOOLS.DLL
TIMBUKTU.WRI
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5) Edit the C:\WINDOWS\SYSTEM.INI file.
In the [boot] section, change "network.drv=pntalk.drv" to "network.drv="

In the [boot.description] section, change "network.drv=PhoneNET PC" to
"network.drv=No Network Installed"

In the [386Enh] section, remove the following lines:
"device=fprint.386"
"PhoneNETMemoryPool=n" (where n is any number)

Remove the entire [fprint] section.

6) Edit the C:\WINDOWS\WIN.INI file.
In the [windows] section, delete the following line:
"load=PNNOTIFY.EXE"

Delete the entire [MacintoshToPC] section
Delete the entire [PCToMacintosh] section

7) Edit the C:\WINDOWS\PROGMAN.INI file.

In the [Groups] section, find the following line:

"Group(n)=C:\WINDOWS\PHONENET.GRP"
Make a note of the group number (n).

In the [Settings] section, edit the line beginning "Order=" to delete the group
number (n) that you noted.

In the [Groups] section, delete the Group line:
"Group(n)=C:\WINDOWS\PHONENET.GRP"

8) Edit the C:\WINDOWS\DOSAPP.INI file.

In the [DOS Applications] section, delete all lines that refer to the
C:\PHONENET directory. These include the following:

C:\PHONENET\ANET.EXE=1
C:\PHONENET\ASHARE.COM=1 C:\PHONENET\APRINT.COM=1

9) From the C:\WINDOWS directory, delete the following files:

PHONENET.INI
PHONENET.GRP
TIMBUKTU.BMP
TIMBUKTU.HLP

10) From the C:\WINDOWS\SYSTEM directory, delete the following files:

ADSP.DLL
PNTPROTO.DLL
PNTDATA.DLL
FPRINT.386
PNTALK.DRV

Article Change History:
17 Jan 1997 - Updated Internet & online sw updates locations.
05 Dec 1995 - Added version number.
27 Nov 1995 - Added keyword.
22 Aug 1995 - Made minor corrections.

Support Information Services

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