



Tech Info Library

AppleShare Client for Windows 1.0.2 Read Me File (1/97)

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TOPIC -----

This article contains the ReadMe file from AppleShare Client for Windows v1.0.2.

DISCUSSION -----

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

For more information

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- Duplicate AppleTalk node IDs

- Cisco router incompatibility

- Incorrect default group access privileges

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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, uninstalling, 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.

Bugs fixed

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This version 1.0.1 of AppleShare Client for Windows includes fixes for a few bugs found in version 1.0. They are as follows:

Duplicate AppleTalk node IDs

In version 1.0, particularly with large networks, it was possible for a client computer to assume an AppleTalk node identifier that was already being used. This problem could be represented by an apparent inability to see any nodes in a particular zone, or by a general slowdown in network performance.

Cisco router incompatibility

Cisco model 7000 routers are incompatible with AppleShare Client for Windows, version 1.0. These routers are supported by AppleShare Client for Windows, version 1.0.2, but may take longer to connect to a file server.

Incorrect default group access privileges

AppleShare Client for Windows, version 1.0.2, automatically sets the group access privileges of a newly created folder to those of the enclosing folder. In version 1.0, group privileges for such new folders were incorrectly set to None by default.

Disk space requirements

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To install and run AppleShare Client for Windows, you should have a minimum of

3.5 MB of free space on your hard disk. To use the Uninstall option of the Installer to remove AppleShare Client for Windows, you need to have 1.5 MB of free space.

Installing from a hard disk =====

You can run the Installer from a local (non-network) hard disk drive to install or remove the AppleShare Client for Windows software. To do so, create a directory on your hard disk and copy all the files from both AppleShare Client for Windows floppy disks into that directory. Then, run the INSTALL.EXE program from that directory, and follow the installation instructions in the online help or the printed book Getting Started with AppleShare Client for Windows.

IMPORTANT! Do not run the INSTALL.EXE program from a connected AppleShare server to perform an upgrade.

Note that if a previous version of AppleShare Client for Windows is already installed on your computer, you will first have to remove the old version (by using the Uninstall option of the Installer) before installing the new version. After your computer has been restarted, run the INSTALL.EXE program again to install the new version.

Network adapter support =====

Before installing AppleShare Client for Windows, you should determine whether you are using supported 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.

AE2MC	Artisoft AE-2 MCA Ethernet
APEXXLT	Apexx LocalTalk Parallel Interface (PCTALK)
APEXXE	Apexx EtherWave Parallel Interface (ECHAIN)
ASANTE	Asante 2000 series Ethernet (NE2000)
ASANTENW	Asante NWMLID Ethernet
ASANTEM	Asante 2100 series MCA Ethernet (NE2100)
EII	3Com EtherLink II Adapter (3C503)
EII16	3Com EtherLink II/16 Adapter (3C503)
EIII	3Com EtherLink III Adapter (3C5x9, 3C509)
EIIIIEISA	3Com EtherLink III (3C5x9, 3C579 EISA)
ELIIMC	3Com EtherLink III (3C529 MicroChannel)
EIIIPCM	3Com EtherLink III PCMCIA (3C589)
ELMC	3Com EtherLink/MC (3C523 MicroChannel)
EWAVE	Farallon EtherWave PCMCIA
EXP16	Intel EtherExpress 16 Ethernet
EXPPRO	Intel EtherExpress PRO Adapter
LTALK	Dayna/Farallon PhoneNet PC3 LocalTalk

NE2000	Novell NE2000 or compatible Ethernet
SKYCARD	AnamNET LocalTalk PCMCIA
SMC8000	SMC EtherCard PLUS Elite16C,& 8216
SMC8003	SMC EtherCard PLUS Elite (8Bit)
SMC8100	SMC TokenCard EliteSeries 8100
SMC8100A	SMC TokenCard EliteSeries 8100A
SMC80PC	SMC EliteCard PCMCIA
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 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 =====

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 =====

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):

```
[FileRedir]
HIDERESFILES=FALSE
```

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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Drivers for some of the newest LaserWriter printers may not work yet with

AppleShare Client for Windows. If the driver for your printer does not seem to work, try setting printer driver options as described in the file PROBLEMS.WRI, or install a supported driver. The supported drivers should work for your printer, but may not support the advanced features of that printer.

Note that the Apple LaserWriter printer driver disks do not come with your AppleShare Client for Windows, Version 1.0.2, product if you purchased it as an upgrade. The installation process does not affect installed printer drivers. If you need to reinstall Apple printer drivers, you can use the driver disks that came with your printer or with AppleShare Client for Windows, Version 1.0.

Provided with Windows installation disks:

Apple LaserWriter
Apple LaserWriter Plus
Apple LaserWriter II NT
Apple LaserWriter II NTX

Drivers provided with AppleShare Client for Windows, Version 1.0:

Adobe Default Printer
Apple LaserWriter 16/600 PS
Apple LaserWriter Pro 600
Apple LaserWriter Pro 630
Apple LaserWriter Select 320

Obtaining updated LaserWriter printer drivers

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Windows LaserWriter drivers available for the following printers can be obtained from the sources listed below.

LaserWriter Pro 810
LaserWriter Select 360
LaserWriter Select 310
Personal LaserWriter NTR
LaserWriter Pro 600/630
CompuServe

(go apls) Apple Support Forum:Browse Libraries:
DOS/Windows SW

Apple on the Internet

<<http://www.info.apple.com/swupdates>>
<<ftp://ftp.info.apple.com/>>

America Online

keyword: applecomputer

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:

CompuServe

(go aplsup) Apple Support Forum:Net & Comm.SW

Apple FTP

Apple Software Updates (ftp.support.apple.com) in the path

PUB:APPLE SW UPDATES:US:MACINTOSH:
NETWORKING & COMMUNICATIONS:APPLESHARE

eWorld

Apple Technical Support

Obtaining information about Apple products for DOS & Windows

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eWorld:

shortcut:tech info
Reaching Out board

CompuServe:

(go apltil) Apple Tech Info Library

The Internet-Home Gopher Server:

Home Gopher Server->Computer Information->
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.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 the following 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  
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

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
```

WinZip incompatibility

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The shareware compression/decompression utility WinZip is not completely compatible with AppleShare Client for Windows, Version 1.0.2. The WinZip Open Archive dialog box includes a Network button for connecting to a network drive. If you use this button with AppleShare Client for Windows installed, you receive an error message. To connect to a network drive, use the network connection item in the Disk menu from the File Manager.

Using Open Transport

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If you are running Open Transport, you must use the latest version available to ensure compatibility with AppleShare Client for Windows.

Documentation errata
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Your documentation may refer to this product as AppleShare Client for Windows version 1.0.1. AppleShare Client for Windows 1.0.2 includes a recently developed change to ensure correct installation on systems running NetWare. This minor improvement is the only difference between the two versions.

Article Change History:

- 17 Jan 1997 - Updated Internet & online sw updates locations.
- 05 Dec 1995 - Updated Network adapter support list.

Support Information Services

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