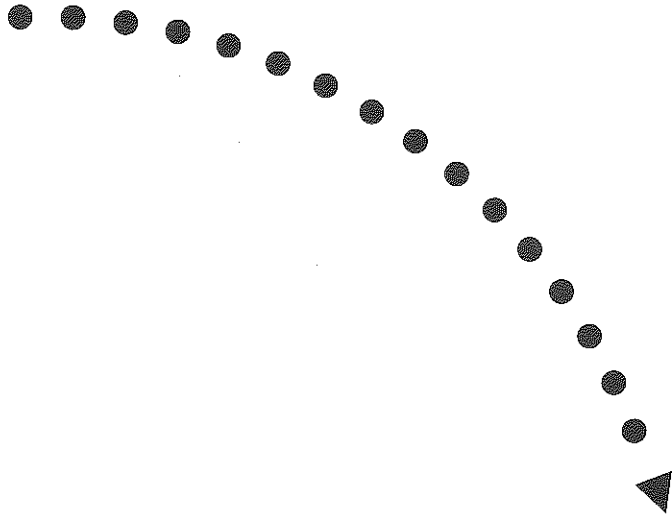


Farallon® PhoneNET Talk™ User's Guide



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Credits

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Colophon

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Introduction

PhoneNET Talk™ software allows a properly equipped IBM PC or compatible to connect to a PhoneNET network or other AppleTalk network. Since 1985, Macintosh users have taken advantage of network services available on AppleTalk networks, including sharing AppleTalk PostScript printers, accessing file servers, and exchanging electronic mail. PCs can now access these same services using PhoneNET Talk software.

To physically connect a PC to an AppleTalk network, you need a network adaptor. A variety of network adaptors are available to connect a PC to LocalTalk, Ethernet, or Token Ring cabling, including the PhoneNET Card PC for LocalTalk available from Farallon.

Once you have connected your PC to the network and installed PhoneNET Talk software, use the included PhoneNET Talk program to access AFP (AppleTalk Filing Protocol) file server volumes and attach network printers. You are now ready to run your PC programs and access available AppleTalk network services.

What you need to get started

- A PC with at least 384K of memory running MS-DOS version 3.1 or later, and hard disk or two floppy drives
- A supported network adaptor, such as the PhoneNET Card PC for LocalTalk, installed in your PC.

Contents of the package

PhoneNET Talk software disks include the following:

- The Desk Accessory (DA) is a DOS program that enables you to attach and detach AFP file server volumes, browse the files and directories on a volume, copy, delete, and rename files, and view and modify AFP access privileges for directories. You can also use the DA to attach and detach network printers. The DA can be configured as a program or as a TSR.
- The ANET commands included with the PhoneNET Talk software let you perform network operations such as changing the user name or attaching a network printer. You can execute ANET commands from a DOS prompt or create batch files containing ANET commands. Virtually all of the functions that can be performed using the DA can be executed from a DOS prompt using a combination of DOS commands and ANET commands.
- The PhoneNET Talk protocol stack that is loaded into memory when the network startup batch file loads.
- Network drivers for supported network adaptors.

Supported network adaptors

In addition to supporting the PhoneNET Card PC for LocalTalk available from Farallon, PhoneNET Talk software includes drivers for the following network adaptors:

- DayStar Digital LT200 PC Card (ISA)
- DayStar Digital LT200 PC Card (MicroChannel)
- 3COM EtherLink II Adaptor model 3C503 (ISA)
- 3COM EtherLink/MC model 3C523 (MicroChannel)
- IBM Token-Ring Network PC Adaptor (ISA)
- IBM Token-Ring Network PC Adaptor II (MicroChannel).

Farallon customer service

Farallon Computing is committed to providing its customers with reliable products and excellent technical support. If you have any questions, concerns, or suggestions, please contact Farallon Customer Service by telephone, fax, or mail at:

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You can also reach us online with the network services of CompuServe (ID: 75410,2702), or with America Online, AppleLink, GENie, and MCI Mail (ID for all: FARALLON). Product information and technical notes can be found in the Farallon bulletin boards on America Online, and AppleLink.

Customers in Europe and the Pacific can get service locally by contacting your nearest Farallon reseller or distributor. For a worldwide list of our distributors, see our AppleLink bulletin board or the back page of our product catalog—or contact Farallon directly.

About this manual

This manual is divided into five chapters, and includes four appendixes, a glossary, and an index.

Chapter 1, "Installing PhoneNET Talk Software," describes the installation process.

Chapter 2, "Using AppleTalk Network Services," provides an overview of the procedures involved to attach file servers, access files and directories on the file server, attach network printers, print documents, and access other AppleTalk services from your PC.

Chapter 3, "Using the Desk Accessory," describes how to use the DA to attach file servers and network printers, access files and directories, change AFP privileges for directories, and more.

Chapter 4, "Troubleshooting," describes common problems encountered when installing and using PhoneNET Talk software.

Chapter 5, "The ANET Command Interpreter," covers the ANET command interpreter and gives some tips for writing your own batch files.

Appendix A, "Transferring Files Between Macintosh Computers and PCs," provides information about file conversion.

Appendix B, "Memory Considerations," gives tips for optimizing memory usage.

Appendix C, "The NET.CFG File," describes the contents of the NET.CFG file created during installation.

Appendix D, "About the PhoneNET Talk Files," provides a technical summary of the PhoneNET Talk files and discusses the stack loading sequence.

Assumptions in this manual

This manual assumes you are familiar with the use of DOS. You should know how to copy, rename, and delete files, and navigate through directories. See the DOS manual that accompanies your PC if necessary. You also need to know about printer ports and how to configure your programs with the correct printer drivers.

This manual describes how to use PhoneNET Talk software to access AppleTalk network services. You need to install a network adaptor in your PC and connect the PC to the network before you can use PhoneNET Talk software. If you do not already have an operational network, you may have to do some research. The accompanying *PhoneNET Connector Installation Guide* describes how to design and install a LocalTalk-compatible network using twisted-pair wiring. Contact Farallon for additional information about designing AppleTalk networks.

This manual describes how to use the basic AppleTalk client features. It is not a definitive resource on all of the functions available with an AFP file server. Details for using an AFP file server can be found in the user's guide that came with your AFP file server.

"DOS" refers specifically to MS-DOS and PC DOS operating systems.

"PC" refers to the IBM PC, XT, AT, PS/2 model 25, 30 and 30-286, and compatibles.

Terminology

It's a good idea to become familiar with terminology for AppleTalk, PhoneNET Talk, AFP file server, and PhoneNET® System cabling.

AppleTalk

AppleTalk is a set of protocols. LocalTalk, EtherTalk, and TokenTalk networks are all supported within the AppleTalk network system. Macintosh computers have a built-in LocalTalk connection, while PCs require the installation of a network adaptor such as the PhoneNET Card PC for LocalTalk. The EtherTalk network brings AppleTalk protocols to an Ethernet environment while a TokenTalk network uses AppleTalk protocols in a Token Ring environment.

The transmission media supported by the AppleTalk network system include twisted-pair cable, coaxial cable, and optical fiber.

PhoneNET Talk

PhoneNET Talk™ software brings the AppleTalk protocols to a PC and provides AFP file server client software. The AppleTalk network system operates with all major networking hardware standards, including LocalTalk, Ethernet, and Token Ring. PhoneNET Talk benefits from two of the most innovative features of AppleTalk: dynamic node ID assignment and distributed name service.

Traditional networks require the network administrator to assign node address and names. Dynamic node ID assignment allows network devices to automatically acquire their own node address at startup. For example, a user can easily connect a portable computer to an existing AppleTalk network without contacting a network administrator. Distributed name service lets users view and access network resources by name rather than by network address. The combination of dynamic node ID assignment and distributed name service make AppleTalk networking both easy to set up and use.

These two features were combined with others to form AppleTalk, a complete protocol set that was designed in accordance with the Open Systems Interconnection (OSI) reference model created by the International Standards Organization (ISO). AppleTalk includes protocol modules for each of the layers defined in the OSI model. It is an open protocol system, meaning that the protocol implementation details are publicly available so developers can build AppleTalk-compatible products.

AFP file servers

AppleTalk Filing Protocol (AFP) file server software is currently available from Apple Computer, Novell, 3COM, Miramar, and vendors of software for DEC minicomputers to run on a variety of platforms including the Macintosh, PC, VAX, and other computers. Users can log onto a file server, and with the appropriate access privileges copy files or use a file server volume disk space as though it were their own local disk. Users can also run programs from the file server.

- ▶ We recommend that you use AFP version 2.0 or later. Apple Computer offers AppleShare, AFP file server software that runs on a Macintosh.

PhoneNET System cabling

PhoneNET® System cabling supports LocalTalk and Ethernet over twisted-pair wiring. PhoneNET LocalTalk cabling includes connectors, repeaters, StarController® hubs, and accessories to create active star networks. PhoneNET Ethernet cabling includes communications cards, transceivers, and StarController EN hubs. Farallon also offers software to manage and troubleshoot the network.

Recommended reading

Understanding Networks provides the basics about computer networks and includes many helpful illustrations. Available from Addison-Wesley Publishing Company.

AppleTalk Network System Overview provides an introduction to AppleTalk network system architecture and AppleTalk protocols. Available from Addison-Wesley Publishing Company.

AppleShare File Server Administrator's Guide describes how to install and maintain an AppleShare file server. Available from Apple Computer.

Inside AppleTalk, Second Edition, provides an in-depth look at all of the AppleTalk protocols, including detailed information about Phase 2 enhancements. Published by Addison-Wesley.

Chapter 1

Installing PhoneNET Talk Software

The PhoneNET Talk™ package comes with a convenient installer program that steps you through the installation, asking questions about your configuration and preferences. If you are an experienced DOS user, you may want to run the installer now. If you are less familiar with the installation process, this chapter provides some helpful hints.

The installer gives you several options. You can:

- Select a driver that matches your particular network adaptor. The installer will ask you to verify the DIP switch settings, DMA channels, interrupt levels, and port I/O addresses that your network adapter uses. Refer to your user guide for your card's specifications.
- Make the DA memory-resident. Users who want to access the DA from within DOS programs will find this convenient. We recommend that you do not make the DA memory-resident if you plan to use Windows.
- Choose whether or not to have the PhoneNET Talk stack loaded automatically when the network startup batch file runs. We recommend you select this option if you regularly access AppleTalk services during your work day, or if you use Windows. If you choose not to have the PhoneNET Talk stack loaded automatically, five batch files will be created allowing you to load portions of the PhoneNET Talk stack manually. You may want to use batch files if your PC is constrained by memory or if you would like to be able to load and unload network services at any time.

Running the installer

Follow these steps to use the installer.

1. Switch on your PC and load DOS.
2. Insert the PhoneNET Talk Installation disk into a floppy disk drive. If you are using 5.25-inch disks, insert Disk 1 into one of your floppy disk drives.
3. Type `a:install` if you have inserted the disk into drive A. If you inserted the disk into another drive, type the drive letter followed by `:install`. Press Enter. The first installer screen will be displayed.

PhoneNET Talk (tm) 2.02 Installation Program

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This program installs the PhoneNET Talk software onto your system hard disk or floppy disk(s).

During the installation process, you will be presented with several menus. To use the menus, use the Up and Down Arrow keys to highlight an entry and, unless otherwise noted, press <Enter> to select it. To use the arrow keys on a numeric keypad, be sure that <NumLock> is off.

You can press the <Esc> key at any time to cancel the installation program and return to DOS.

Press <Esc> to cancel or any other key to continue

4. Press Enter after you read each screen.
5. Type the letter corresponding to the drive that contains the PhoneNET Talk Installation disk and press Enter.
6. Type the letter corresponding to the destination drive and press Enter.
7. Verify that you have typed in the correct drives.

8. Choose which services and programs to install. The memory values shown in this window indicate the amount of memory required to load the files in RAM, not the disk space the files consume.

```

Choose installation mode:
Memory required is in parentheses.

Install File and Print Services          (125 - 134 K)
Install File Services only              ( 99 - 108 K)
Install Print Services only             ( 66 - 75 K)
Install PhoneNET Talk and MLI driver(s) on( 39 - 49 K)
Install MLI driver(s) only              ( 17 - 26 K)

* Add 58 K to make DA memory-resident.
  Add 9 - 19 K per additional MLI.D.
  (Exact memory reqs. will be calculated later.)
Press <Enter> to choose mode

```

- Install File and Print Services: We recommend that choose this option because it gives you the most flexibility. The files will occupy less than 800K on your hard disk.
- Install File Services Only: Choose this option if you plan to use file services but do not plan to print over the network.
- Install Print Services Only: Choose this option if you plan to use print services but do not plan to use file services.
- Install PhoneNET Talk and MLI Driver(s) Only: This option is provided for use with third-party software packages (such as electronic mail) that use PhoneNET Talk files and the MLI drivers.
- Install MLI Driver(s) Only: This option is provided for use with third-party software packages that only use the MLI drivers.

Use the up/down arrow keys to make a selection and press Enter.

9. A help screen is displayed that describes the MLI driver installation. After you press Enter, a list of MLI drivers will be displayed.

```

Select MLI drivers to install:
LTALKP  PhoneNET Card PC for LocalTalk (polled, no interrupts)
LTALE  PhoneNET Card PC for LocalTalk (interrupt-driven)
DSTARLT DayStar LT200 PC Card
ENET3CII 3Com EtherLink II Adapter
TOKNRING IEM Token-Ring Network PC Adapter or Adapter II (long card)
TOKNRING IEM Token-Ring Network PC Adapter or Adapter II (short card)
DSTARLT DayStar LT200 MC Card (MicroChannel)
ENET3CII 3Com EtherLink/MC Adapter (MicroChannel)
TOKNRING IEM Token-Ring Network Adapter/A (MicroChannel)
<F1> for MLIID info, <Ins> to add, <Del> to remove, <Enter> when done

```

It is a good idea to review the particular specifications for the driver you would like to install. To see more information about a driver, select the driver using the up/down arrow keys and press F1.

If you are using the PhoneNET Card PC for LocalTalk, we recommend that use the polled driver (LTALKP) because it will not conflict with interrupt-driven cards in your computer.

Use the up/down arrow keys to make a selection and press Insert to highlight it. We recommend that you choose only one driver. Press Enter to continue.

10. Choose whether or not to make the DA memory-resident and press Enter. Users who want to access the DA from within DOS programs may want to choose Yes. We recommend that you choose No if you plan to use Windows.
11. Name a destination directory for your PhoneNET Talk files. The default destination directory is PNTALK.
12. If you are creating a new directory, verify that you want to do so. If you are installing PhoneNET Talk from the 5.25-inch disks, the installation program prompts you to swap disks in the disk drive.

13. After the files are installed, a help screen is displayed followed by a screen that allows you to configure the MLI drivers. The exact screen you see depends upon the MLI drivers you have selected. In most cases, you can use the default MLI driver settings. You may want to check your user guide or installation guide that came with your network adapter to verify the correct configuration.

If you have a PhoneNET Card PC for LocalTalk and selected polled drivers during this installation, you probably will not need to change the MLI drivers.

If you need to change the MLI driver settings, use the arrow keys. Press Enter to continue. The installation program creates or updates the NET.CFG file, which contains information that the stack uses to operate.

14. Choose whether or not to have the PhoneNET Talk stack loaded automatically when the network startup batch file runs. We recommend you select this option if you regularly access AppleTalk services during your work day, or if you use Windows.

If you choose not to have the PhoneNET Talk loaded automatically, a help screen is displayed indicating that five batch files will be created allowing you to load portions of the PhoneNET Talk stack manually. You may want to use batch files if your PC is constrained by memory or if you would like to be able to load and unload network services at any time.

15. Warm boot your PC by simultaneously pressing the CTL-ALT-DEL keys.

Installation is now complete.

Loading the PhoneNET Talk stack

The installation process described in the previous section copies the PhoneNET Talk software to your hard disk. You need to load portions of the PhoneNET Talk software into memory before you can access AppleTalk services. These portions of the PhoneNET Talk software are collectively referred to as the PhoneNET Talk stack.

- If you chose to have the stack loaded automatically, it will be loaded when the network startup batch file runs.
- If you chose not to have the stack loaded automatically, five batch files were created, allowing you to load portions of the PhoneNET Talk stack:

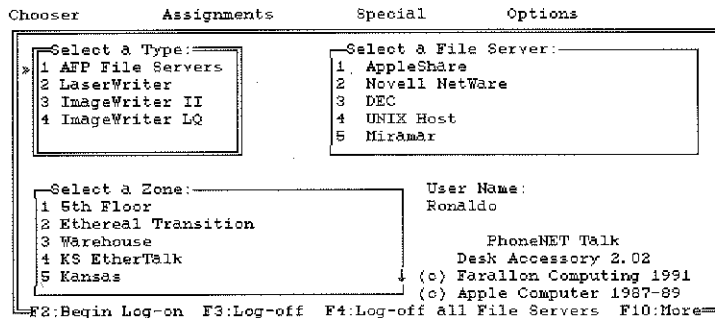
ABOTH	Load print and file services
AFILES	Load file services only
APRNT	Load print services only
AMLID	Load link support layer and MLI drivers
AOFF	Remove network services from memory

You need to run the appropriate batch file before you access AppleTalk services.

Testing the installation

It's a good idea to confirm that PhoneNET Talk software has loaded correctly and that you are connected to the network.

1. Warm boot your PC by simultaneously pressing the CTL-ALT-DEL keys.
 - If you chose to have the stack loaded automatically, a series of PhoneNET Talk messages appear confirming the stack loading process.
 - If you chose not to have the stack loaded automatically, run the appropriate batch file now. A series of PhoneNET Talk messages appear confirming the stack loading process.
2. Type DA at the DOS prompt. The DA Chooser window should appear, showing you the AppleTalk services and zones available on the network.



If zones are listed in the Zone pane, your installation was successful. You are now ready to use AppleTalk services.

If the DA Chooser window does not appear or if no zones are displayed, see Chapter 4, "Troubleshooting."



Chapter 2

Using AppleTalk Network Services

Once you have installed your network adaptor and PhoneNET Talk software, you are ready to use AppleTalk network services. This chapter gives general guidelines for using PhoneNET Talk software and your applications to access AppleTalk network services. References are made to other chapters of this manual where appropriate.

This chapter describes how to:

- Attach AFP file servers volumes, including AppleShare file server volumes, and access files and directories on the file server volume
- Modify the access privileges for files and directories on a file server volume
- Understand Macintosh and DOS filename conventions
- Understand DOS filename extension remapping
- Attach network printers, including AppleTalk PostScript printers, and print to them
- Use electronic mail with PhoneNET Talk
- Use Windows with PhoneNET Talk.

Guidelines for attaching an AFP file server volume

Before you can attach a file server volume, you need to check with the network administrator to determine the zone where the AFP file server resides on the network, your user name and password, and which volumes and directories you have access privileges for. Once you have this information, you can attach file server volumes using the DA or with ANET commands. Less experienced users will find it is easier to use the DA than to use ANET commands.

- To attach a file server volume using the DA, see “Attaching AFP File Server Volumes” in Chapter 3.
- To attach a file server volume using ANET commands, see “ATTACH” in Chapter 5.

Guidelines for accessing files and directories on a file server volume

Once you have attached a file server volume, you can access the files on it as though it were a locally attached disk. Specifically, you can copy and delete files and directories. You can also view and modify access privilege information for directories.

You can access files using the DA or with a combination of DOS and ANET commands. Less experienced users will find it is easier to use the DA.

- To use the DA to browse through a file server volume and access files, see “Accessing Files and Directories on an AFP File Server Volume” in Chapter 3. You can copy, delete, and rename files and directories, and create new directories, set the current directory. The DA includes a copy utility to strip or add line feed characters when copying ASCII files between Macintosh and PC.
- To use the DA to change access privileges, see “Displaying AFP Information and Setting Access Privileges” in Chapter 3.
- To use DOS commands to copy or delete files and directories, or to create new directory or to set the current directory, see your DOS manual.
- To use ANET commands from a DOS prompt to access AFP features, see Chapter 5. For example, you can enter ANET commands to change the user name, attach a network printer, or change access privileges.

Macintosh and DOS filename conventions

This section will help you understand how Macintosh and DOS file and directory names are stored on an AFP file server. At first glance, you may not recognize the name of files and directories on an AFP file server that were originally created on a Macintosh:

- DOS file and directory names can contain no more than eight characters, plus an optional three-letter extension. Filenames cannot include special characters such as commas, colons, blanks, or special marks.
- Macintosh file and directory names can contain up to 31 characters. Filenames can include special characters, including blanks. Names cannot include colons.
- Files and directories stored on an AFP file server are assigned a Macintosh name and a DOS name. The AFP software has a built-in algorithm to convert Macintosh filenames to DOS names. Macintosh filenames are truncated, the altered name begins with an exclamation point, and unknown characters are replaced with DOS characters, such as underscores. Some examples of converted filenames:

Macintosh Name	DOS Name
MYLETTER.DOC	MYLETTER.DOC
My Special Folder	!MY_SPEC.IAL
Report @ noon	!REPORT.@_N
Bank \$\$\$!BANK_\$\$.\$

- When using DOS to access a file on a server volume, you must enter the exact converted filename. If you are unable to determine the correct filename, the DA has a feature to view both the Macintosh and DOS filename at the same time. See "To Browse Through an AFP File Server Volume" in Chapter 3 for details.
- You can prevent Macintosh-DOS filename confusion by using DOS filename conventions when naming Macintosh files.

Remapping DOS filename extensions

This section will help you understand how file type codes are modified when a file is copied from a Macintosh to a PC. The PhoneNET Talk software is responsible for converting DOS filename extensions into Macintosh type and creator codes. DOS files usually have a three-letter filename extension that identifies the file type such as .TXT or .GEM. DOS applications often automatically add this three-letter extension when the file is created. Macintosh files have a file type and creator and an icon associated with the file type.

Whenever you copy a DOS file to an AFP file server, a Macintosh file type and creator is assigned to the file. DOS files with an extension not recognized by PhoneNET Talk are automatically assigned the binary file type (type: BINA, creator: mdos).

You can configure PhoneNET Talk software to associate a particular DOS filename extension with a Macintosh file type. Once configured, when a DOS file with a particular filename extension is copied to an AFP server, the appropriate Macintosh file type information is added to the file. For example, you can configure PhoneNET Talk software to automatically remap any DOS filename with the .DOC extension to a Macintosh Microsoft Word file type. Then, whenever a DOS file with a .DOC extension is copied to the file server, the document will be assigned the Microsoft Word file type (type: WDBN, creator: MSWD). The appearance of the document's icon should change the Microsoft Word icon, and double-clicking the icon will open the document (assuming the Microsoft Word application is available).

Only DOS files created on or copied to the server will be remapped. The file type and creator for documents already on the server will not be modified automatically. Only documents created on or copied to the server will be modified. The DA also provides a limited facility for changing the file type; see “To Display AFP Information for a File” in Chapter 3 for details.

PhoneNET Talk software supports only a limited number of automatic conversion options. You can add your own PC file extensions to the list, but you cannot add any Macintosh file types. A list of available Macintosh file types can be displayed by typing the command `ANET MAP` at a DOS prompt.

Some Macintosh applications will not open a file unless it has a file type and creator code that the application recognizes. You can view and modify file type and creator codes using a Macintosh utility such as Disk Tools II, DiskTop, Copy II Mac, ResEdit, or Symantec Utilities.

For additional information about file translation, see Appendix A, “Transferring Files Between Macintosh Computers and PCs.”

Print services

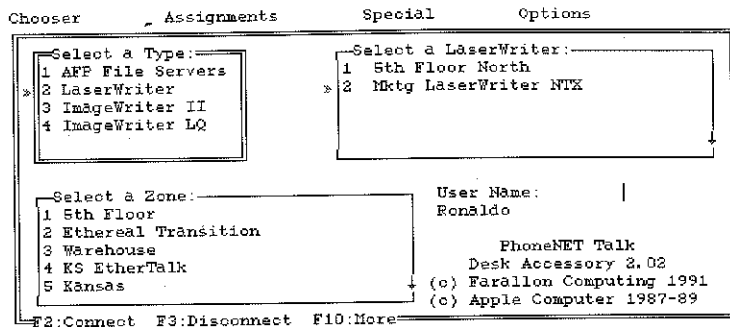
Here are some key points to help you understand how to print from a PC application to an AppleTalk printer:

- PhoneNET Talk software supports most AppleTalk printers. Many PostScript printers either have or can be equipped with an AppleTalk interface. Apple ImageWriter printers can be equipped with an AppleTalk card.

- DOS applications usually include their own set of printer drivers. Many DOS applications include PostScript printer drivers. Virtually all DOS applications contain Epson printer drivers. Few DOS applications include ImageWriter printer drivers.
- The DA allows you to attach printer ports to network printers. You can designate multiple printer ports to the same or different printers. You can configure the DA to automatically attach printers when the network startup batch file is executed. You can also create your own batch file using ANET commands to attach a printer.
- The DA has a PostScript option that lets your application print straight through an AppleTalk PostScript printer. This option lets you print from DOS or Windows applications that have PostScript printer drivers. You can also use this option to print a PostScript text file from DOS directly to an AppleTalk PostScript printer.
- The DA has an Epson emulation option that takes a text file or Epson-formatted file and converts it to PostScript (or ImageWriter-compatible format). By using Epson emulation, you can print from an application that supports only Epson printers to an AppleTalk PostScript printer (or ImageWriter). Essentially, this option makes a PostScript printer (or ImageWriter) emulate an Epson printer.
- Windows includes Epson and PostScript printer drivers. Applications running in Windows access these printer drivers; Windows applications do not contain their own printer drivers.

Guidelines for printing a file from DOS

- Open the DA and attach a printer port to a network printer. See "Attaching a Network Printer" in Chapter 3 for details. Close the DA.



To print a text file or Epson-formatted file, select Epson emulation.

To print a PostScript file, select the LaserWriter option.

- Use a DOS command to move the file to the printer port. You can use the Type, Copy, or Print commands, or redirect the output.

Example: DIR > LPT2:

A printer status message should appear in the upper-right corner of the screen as the document prints.

Guidelines for printing a file from a DOS application

- Open the DA and attach a printer port to a network printer. See “Attaching a Network Printer” in Chapter 3 for details.

If your application only supports Epson printers, select Epson emulation.

If your application supports PostScript printers, select the LaserWriter option.
- Install the DOS application along with the printer drivers that match your printer. Every DOS application has its own set of printer drivers.
- Open the DOS application, select the printer driver that matches your printer, and choose the appropriate printer port. You are now ready to print.

Guidelines for printing a file from Windows

- Open the DA and attach a printer port to a network printer. See “Attaching a Network Printer” in Chapter 3 for details. Close the DA.

Windows includes PostScript printer drivers, so if you have a PostScript printer you should select the PostScript option.
- Install Windows and necessary printer drivers that match the exact make and model of your printer.
- In Windows, open the Printers application in the Control Panel, select the printer driver that matches your printer, and choose the appropriate printer port. You are now ready to open your application and print.

Using electronic mail

- Install the mail software as recommended by the manufacturer.
- Sign on using your user name and password. If you cannot open your mail after installing it, you may need to run the COMPAT.COM file. It is recommended that you add this command to your network startup batch file if necessary.

Windows considerations

There are some special considerations to be aware of when using PhoneNET Talk software with Windows.

- Do not load or unload portions of the PhoneNET Talk stack when running Windows. This may cause a system error. Alternatively, configure your network startup batch file to load the stack before running Windows.
- Avoid running the DA or executing ANET commands from Windows. Instead, configure the DA to automatically attach the appropriate server volumes and printers when the network startup batch file runs.
- Once you have attached the desired AFP file server volume, you can use the Windows File Manager to access files.

Chapter 3

Using the Desk Accessory

The Desk Accessory (DA) is a DOS program that provides a variety of features. Use it to:

- Change your user name
- Log on to a AFP file server as a guest or registered user and attach and detach a file server volumes
- Configure PhoneNET Talk to automatically attach a file server volume or network printer when your network batch file loads
- Attach a printer port to a network printer
- Copy, rename, and delete files on a file server volume
- Display AFP information for files and directories, and change access privileges for file server volumes or directories
- Disconnect a file server volume and log off a file server.

This chapter explains how to use all the functions of the DA. It is arranged in the same order as the options appear in the DA menus.

The DA has a graphical interface and extensive on line help. Experienced DOS users may want to begin using the DA immediately. If you need more information about a particular screen in the DA, press F1 to display help text.