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INSTALLATION GUIDE

For use with the Apple® Macintosh™

PageMaker[®]



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Welcome to PageMaker.

PageMaker 2.0 from Aldus Corporation is the second generation of desktop publishing tools that let you produce professional-looking documents and publications in your own office.

Before you use PageMaker, read this *Installation Guide* to learn:

- what you need to know and do before installing PageMaker
- how to install PageMaker
- how to install the Guidance desk accessory
- how to optimize disk space
- how PageMaker works on networks
- how to obtain "what you see is what you get" results

You should also read or print READ ME NOW, a PageMaker publication included on the PageMaker Startup disk, to learn about recent developments in PageMaker.

Before installing PageMaker

Before starting the installation, read this section to make sure your package is complete and you have the equipment you need. Then make backup copies of the PageMaker disks.

To receive registered user service and technical support, you should fill out and return the user registration card that is inside either your *PageMaker User Manual* or disk envelope.

What your PageMaker package includes

In addition to this *Installation Guide*, your PageMaker package should include:

- the *PageMaker User Manual*
- the *PageMaker Reference Manual*
- the *PageMaker Quick Reference Guide*

For a description of each publication, see *Read this first* at the beginning of the *PageMaker User Manual*.

Also make sure your PageMaker package includes a sealed envelope. When opened, it should contain two 800K disks with these folders and documents:

Disk name	Folder/document name
Startup	Read Me Now
	PageMaker Help
	Aldus Prep
	System folder
	Guidance
Program	PageMaker
	Hyphenation & Defaults folder
	PM Tutorial folder

If you did not receive all of the above items in your package, call Aldus Customer Relations at (206) 628-2320.

Note: If your equipment uses 400K disks, you can get them from Aldus Customer Relations. For details, call (206) 628-2320 in the U.S. and Canada. Elsewhere, contact your PageMaker dealer.

What you need to get started

Make sure you have the correct equipment. You can choose from any of these setups:

Recommended setups

Apple® Macintosh™ II and a hard disk drive

Apple Macintosh SE and a hard disk drive

Apple Macintosh Plus and a hard disk drive

Minimum setups

Apple Macintosh Plus and an 800K external drive

Apple Macintosh 512 Enhanced and an 800K external drive

Apple Macintosh 512 and a hard disk drive

Note: If you're using an Apple Macintosh 512, your hard disk drive must have at least 1.5MB of free space. In any case, you will get poor results with automatic pair-kerning, manual kerning, and letter spacing.

Making a backup copy

Your license agreement authorizes you to make one backup copy of each PageMaker disk.

Make a backup copy of each disk now. When you're done, store the originals in a safe place.

If you have a hard disk, install PageMaker on your hard disk, then store the originals and backup copies in a safe place. If you do not have a hard disk, use the backups as your working copies.

Installing PageMaker

This section describes how to install PageMaker on your Macintosh with these hardware setups:

- a hard disk and one or more 800K drives (recommended)
- no hard disk and two 800K drives (minimum)

If you have a hard disk and one or more 400K drives, you must order your 400K disks from Aldus Customer Relations. When you receive the disks, you will also receive installation instructions.

For details, call (206) 628-2320 in the U.S. and Canada. Elsewhere, contact your PageMaker dealer.

A hard disk and 800K drives

If you have one of the recommended setups, you should follow this short procedure to install PageMaker.

PageMaker includes a system that has new versions of the fonts Times® and Helvetica®. During this installation, you do not copy PageMaker's system to your setup. However, PageMaker works best with these new fonts (read "Obtaining WYSIWYG results" in this guide). If you suspect your fonts are outdated, you can use Font/DA Mover to copy the Times and Helvetica fonts from the PageMaker system to your system.

You may already have an earlier version of PageMaker. If the earlier application or any folder is labeled PAGEMAKER, you should rename it now so you don't accidentally overwrite it while installing PageMaker 2.0.

To install PageMaker on a hard disk and an 800K drive:

1. Switch on your Macintosh.
2. Create a new folder labeled PageMaker on any volume of your hard disk.
3. Insert the PageMaker Program disk into any drive.
4. Copy the contents of the Program disk into the PageMaker folder you just created.
5. Eject the Program disk, and insert the PageMaker Startup disk.
6. Copy the documents Aldus Prep and PageMaker Help into the PageMaker folder.

7. Copy all documents with the extension .APD into your System folder.
8. Store the PageMaker Startup and Program disks in a safe place.
9. If you want to use PageMaker's on-line help, read "Installing Guidance" in this guide.

No hard disk and two 800K drives

If you have two 800K drives and no hard disk, you do not install PageMaker. Just use your backup copies as working copies.

However, if you want to use PageMaker's on-line help, you must read "Installing Guidance" later in this guide.

Your PageMaker disks leave only enough disk space available for one or two small publications. We suggest that you read "Managing your documents and disk space" later in this guide to optimize disk space by rearranging your documents and creating data disks.

Installing Guidance

Guidance is a desk accessory that lets you use PageMaker Help. You must install Guidance separately so Guidance appears on the Apple menu.

When you choose the Guidance desk accessory, a dialog box lists PageMaker Help as an option. For more information about Guidance, read "Getting help from PageMaker" in *Read this first* in the *PageMaker User Manual*.

Note: If you use 400K disks, the supplement that comes with the disks includes a different procedure for installing Guidance.

To install Guidance:

1. **If necessary, switch on your Macintosh.**
2. **Insert the Startup disk in any drive.**
If necessary, double-click to open the disk.
3. **Double-click on "Guidance."**
A dialog box appears showing the location of the desk accessory Guidance.
4. **Click "Open...."**
A second dialog box appears showing the contents of the disk where Guidance is located.
5. **If you have a hard disk, click "Drive" to select it.**
6. **Double-click on the System folder.**
The dialog box now displays the contents of the System folder.
7. **Click System, and click "Open."**
The first dialog box reappears and, in addition to displaying the location of Guidance, displays the desk accessories available on the system.
You can install up to 16 desk accessories on your system.
8. **Click Guidance, and then click "Copy."**
The desk accessory Guidance is added to your system.
9. **Click "Quit."**
You can now select Guidance from the Apple menu.

Managing your documents and disk space

After finishing the installation process, check the list below to make sure your documents are complete and correct. Then, if you want to save disk space, eliminate any documents you don't want.

PageMaker documents you should have

This is a complete list of PageMaker documents and folders on the enclosed 800K disks. Some PageMaker documents end with a three-letter extension indicating the type of document. In addition, the PageMaker dictionary documents have a two-character language code as the third and fourth letters of the document name (for example, US for U.S. English and UK for British English).

Note: Always run PageMaker 2.0 with version 3.2 (or later) of the System and version 5.3 (or later) of the Finder.

Folder/document name	Description
PageMaker	PageMaker 2.0
Aldus Prep	The Aldus PostScript® dictionary for the Aldus laser printer driver that is built into PageMaker
PageMaker Help	Document for on-line help
Font/DA Mover	Application used to move fonts and desk accessories to or from the system
Guidance	Desk accessory for using PageMaker Help
Read Me Now	PageMaker publication describing recent developments
System folder	
System	System 3.2
Finder	Finder 5.3

Folder/document name	Description
System folder (cont.)	
LaserWriter	Laser printer driver provided by Apple Computer, Inc.
Laser Prep	Apple's PostScript dictionary for the laser printer driver
LaserWriter.APD	Adobe Printer Description file for the LaserWriter® printer
LaserWriter Plus.APD	Adobe Printer Description file for the LaserWriter Plus® printer
Linotronic 100/300.APD	Adobe Printer Description file for the Linotronic™ 100/300 typesetters
PM Tutorial folder	
Aldus Manutius	Encapsulated PostScript document
Cropping Tool	Paint-type graphic
Cropping Tool Text	Word-processed document
Mouse	Draw-type graphic
Page Icon	Paint-type graphic
Page Icon Text	Word-processed document
Pointer Tool	Paint-type graphic
Text Icon Description	Word-processed document
Text Tool Icon	Paint-type graphic
Tips Logo	Encapsulated PostScript document
Tips Text	Word-processed document
Hyphenation & Defaults folder	
PageMaker Defaults	Current defaults for PageMaker's options
PMUSRAM.DCT or PMUKRAM.DCT	PageMaker's English RAM hyphenation dictionary
PMUSDISK.DCT or PMUKDISK.DCT	PageMaker's English disk hyphenation dictionary

Folder/document name	Description
Hyphenation & Defaults folder (cont.)	
PMUSER.TXT or PMUKUSER.TXT	PageMaker's supplementary dictionary

Managing disk space

Always leave your original disks intact. However, if you don't plan to use some PageMaker documents, you can erase them from your hard disk or working copies. This section describes which PageMaker documents you can eliminate and how PageMaker works without them.

If you erase a document and want it later, simply copy the document from the original disks you received in your PageMaker package.

Note: If you are using 800K disks without a hard disk, we suggest that you make a data disk where you store the text and graphics documents you will place in the publications. As you work, save publications on those disks, rather than on the PageMaker Startup or Program disks.

PageMaker Help

If you decide not to use PageMaker's on-line help feature, move this document and these desk accessories to another disk:

- PageMaker Help
If you remove PageMaker Help and you installed the desk accessory Guidance, PageMaker Help will not appear as a guideline.
- Guidance desk accessory
If you installed Guidance, remove it from your system using the Font/DA Mover.
- Font/DA Mover desk accessory

If you decide to use PageMaker Help, you can still move the Font/DA Mover desk accessory to another disk after you install Guidance.

PM Tutorial folder

When you are finished with Part 1: *PageMaker tutorial* in the *PageMaker User Manual*, move all of the documents in the PM Tutorial folder to another disk.

Hyphenation dictionaries

PageMaker's built-in hyphenation features use three dictionary documents: PMUSRAM.DCT and PMUSDISK.DCT, which make up the built-in 110,000-word dictionary, and PMUSUSER.TXT, a supplementary dictionary that you can update.

We do not recommend that you move the dictionary documents to another disk. However, if you do, this is what happens:

- If either PMUSRAM.DCT or PMUSDISK.DCT is missing, PageMaker alerts you that it doesn't have a built-in dictionary. Without it, you cannot use PageMaker's automatic hyphenation feature.
- If PMUSUSER.TXT is missing, PageMaker alerts you that it doesn't have a supplementary dictionary.

You can still use the prompted hyphenation feature. However, if you do, then add any words to the supplementary dictionary, PageMaker creates a new PMUSUSER.TXT document at the end of your session.

For details about PageMaker's hyphenation feature, read "Changing type and paragraph specifications" in Part 6: *Working with text* in the *PageMaker User Manual*.

Printer documents

Laser Prep is a set of common PostScript commands used by Apple's LaserWriter printer driver. Aldus Prep is much like Laser Prep, except that it contains many commands specific for printing with PageMaker's built-in printer driver.

Store both Laser Prep and Aldus Prep on the same disk. The first time you print, PageMaker prompts you to insert the disk containing the appropriate printer driver. You won't have to use this disk again until you restart your laser printer. For more information about Aldus Prep and Laser Prep, read "Printing issues" in Part 7: *Printing* in the *PageMaker User Manual*.

Using PageMaker on a network

PageMaker is a single-user product that you can use on a network. A network generally consists of a network server and one or more workstations connected to the server. The network server includes a Macintosh that administers network tasks, such as printing and file serving.

Installing on a network

You install PageMaker on a server as you would any other hard disk system. For details about installing PageMaker, read "Installing PageMaker" earlier in this guide.

You can use PageMaker on a network in two ways:

- as a shared copy (on the network server)
All users on the network use the same copy of PageMaker. This saves disk space on individual workstations, but slows down response time in PageMaker.
- as a stand-alone copy (downloaded to a workstation)
Each workstation has its own copy of PageMaker. This way, PageMaker works the same way as a single-user product. However, this method requires more disk space on each workstation.

For the best performance, download PageMaker to your workstation, and copy the supplementary dictionary and defaults documents from the server to the System folder on your workstation. Then use the network to share your laser printer, exchange publications, and get the text and graphics you will place in your publication.

To use PageMaker in a network environment, your company must have a network license agreement from Aldus Corporation. The license allows a specified number of users to legally gain access to PageMaker on the server or to download PageMaker to their workstations. Copies of the PageMaker documentation are available for registered network stations.

If you plan to operate PageMaker on a network, contact Aldus Customer Relations for licensing information. For details, call (206) 628-2320 in the U.S. and Canada. Elsewhere, contact your PageMaker dealer.

Special considerations

PageMaker needs 512K of RAM to run. When installing network software, make sure that the settings for allocating portions of RAM leave 512K available for PageMaker.

If you use PageMaker in a network environment, you should know:

- about PageMaker's scrap document
- how to set defaults and use the supplementary dictionary
- how to work with publications on a network

PageMaker Scrap

During each session, PageMaker creates a document called PageMaker Scrap in the System folder on the Macintosh you started up on. PageMaker Scrap is a temporary Clipboard document that is normally erased at the end of each PageMaker session.

If PageMaker quits unexpectedly and you do not restart your Macintosh, you may not be able to open PageMaker. At the Finder, open the System folder and look for PageMaker Scrap. Click on PageMaker Scrap, and use the "Get Info" command from the Finder's File menu to see if PageMaker Scrap is locked. If it is locked, unlock it.

Setting defaults and using the supplementary dictionary

PageMaker includes a supplementary dictionary and a document of defaults. Each time you start PageMaker, it looks for the default settings and the supplementary dictionary it will use for that session.

PageMaker first looks for these documents in the System folder (and within any folders within the System folder) of the Macintosh you started up on. If PageMaker cannot find the defaults and supplementary user dictionary there, it looks for them in the current PageMaker folder (and any folders within the PageMaker folder).

You can update the dictionary (read "Changing type and paragraph specifications" in Part 6: *Working with text in the PageMaker User Manual*) and change defaults (read "Getting started" in Part 3: *PageMaker basics in the PageMaker User Manual*).

If you use PageMaker as a shared copy, only one user at a time can change either the defaults or the contents of the supplementary dictionary. This way, you may have to wait to change the defaults, but no other user can change your defaults or dictionary while you are running.

We recommend that you set up both the defaults and the supplementary dictionary in the System folder on individual workstations. This way, no one user can change the defaults or the dictionary of any other user.

To set up defaults and use the supplementary dictionary on a workstation, you must copy these two documents from the System folder on the network server to the System folder on the workstation:

- PageMaker Defaults
- PMUSER.TXT or PMKUSER.TXT (supplementary dictionary)

If PMUSER.TXT is not on your workstation, PageMaker displays a message that it is missing when you start PageMaker. If you use prompted hyphenation and add any words to the supplementary dictionary, PageMaker creates a new version of the PMUSER.TXT document when you quit PageMaker.

PageMaker stores the supplementary dictionary at the same level as your PageMaker folder. If the PageMaker folder is locked, PageMaker cannot add the dictionary there and stores the dictionary on the disk where the System folder is located.

Working with publications

Only one person at a time can have the original of a publication open. However, any number of users can open a copy of the publication.

When you save a copy of a publication, PageMaker prompts you to name the publication. If you specify a name that duplicates the name of the original document, PageMaker asks you if you want to replace the original. Either save the copy under a different name, or overwrite the original.

Obtaining WYSIWYG results

PageMaker 2.0 is a WYSIWYG, or "what you see is what you get," product. That means, what you see displayed on your screen is exactly what you'll see on the printed page.

PageMaker matches printed pages to the line breaks shown on the screen, although word spacing may be different. In addition, PageMaker can produce WYSIWYG text for four type styles:

- normal
- **bold**
- *italic*
- ***bold italic***

To achieve WYSIWYG, PageMaker needs accurate font information so it can determine accurate character spacing when it composes text on the screen and when it prints.

This section explains what character spacing is and what to do if you suspect you have inaccurate fonts.

Determining character spacing

Character spacing is the amount of space a character takes up. The font designer determines the optimum spacing for each character.

To determine character spacing, PageMaker 2.0 composes and prints text in either of two ways, depending on the size of ROM in your Macintosh:

- using screen character spacing

Screen character spacing is generally larger than printer character spacing. If you use a Macintosh 512 (64K ROM), PageMaker must compose and print to screen character widths; however, if your system has up-to-date fonts designed for pair-kerning, you can do pair-kerning with PageMaker.

- using printer character spacing

Printer character spacing provides the best quality of typography for the printed page. Any Macintosh that has 128K or more ROM lets PageMaker compose and print using printer character widths.

What to do if you have inaccurate fonts

Each font style must have its own accurate font to achieve WYSIWYG results. To assure that you get WYSIWYG results, PageMaker's system contains accurate fonts for Times and Helvetica plain screen fonts (128K or more ROM Macintosh only). Accurate fonts are also available from Adobe Systems Incorporated for bold, italic, and bold italic. However, accurate fonts are not available for outline or shadow.

Many screen fonts and most printer fonts include accurate information. However, your fonts may be inaccurate if you purchased them before June 1986 or if you moved your fonts using a Font/DA Mover earlier than version 3.2.

Your fonts probably include inaccurate information if:

- bold characters on the screen are the same width as plain characters (bold characters should be wider than plain characters)
- character and word spacing on the printed page is significantly less than the spacing displayed on your screen
- printed characters appear jagged and blotchy because they print as bit-map graphics
- characters are bunched together on the screen
- italic and bold characters in publications converted from PageMaker 1.2 to 2.0 change to plain character spacing

If you suspect that you have an inaccurate font, install the font again using version 3.2 of the Font/DA Mover and the original font disk.

If that doesn't work, contact the original font vendor (in many cases, Adobe) to obtain accurate copies of the fonts. Then install the new fonts again using Font/DA Mover.

Attention 512K Macintosh Owners

If you have a 512K Macintosh with a 400K disk drive, you'll need 400K disks to install PageMaker 2.0 onto your hard disk. The 400K version provides the full set of PageMaker functions, although accurate character widths, automatic kerning, and variable letter spacing in justified text do not display on the 512K Macintosh screen. You will, however, have full use of PageMaker's manual kerning function.

To order the 400K version of PageMaker 2.0, please contact Aldus Customer Relations at (206) 628-2320.

