

MacTransfer™ for Windows 95 Installation and User's Guide

This guide refers to version 1 of MacTransfer

Please remember to return your Warranty Registration Card (refer to page 33).

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This guide was designed and produced by Human-Computer Interface Limited, Cambridge, England.

Preface

About this guide

This guide provides the information you need to use MacTransfer to enable a Windows 95 computer to work with Macintosh high-density floppy disks.

Introduction

Describes how MacTransfer enables you to work directly with Macintosh disks on your Windows 95 computer, and explains some of the differences between Macintosh and PC disks.

Installing MacTransfer

Describes how to install MacTransfer on your Windows 95 computer.

Using MacTransfer with Windows 95

Describes how MacTransfer works with Windows 95 to enable you to access files from Macintosh disks while using Windows applications.

Using MacTransfer with an MS-DOS window

Describes how MacTransfer works with an MS-DOS window to enable you to access files on Macintosh floppy disks direct from MS-DOS.

Using Macintosh disks

Provides technical information about the way files are stored on Macintosh disks.

Glossary

Gives a description of the technical terms used in the guide.

Technical support



Explains what you should do if you need further assistance in using MacTransfer, and gives addresses and contact numbers.

Software registration

Explains the benefits you will receive from registering your copy of MacTransfer with Insignia Solutions.

Conventions

For clarity this guide uses the following typographical conventions:

| <i>This style</i> | <i>Refers to this</i> |
|---|---|
| COMPUTER | Anything you type, exactly as it appears. |
| bold | Names of menus, menu functions, buttons, dialog boxes, and windows that appear on the screen. |
|  ,  | Special keys on the keyboard. |
| <i>italics</i> | References to other sections of the guide. |

This guide uses the following symbols to identify special instructions:

| <i>This symbol</i> | <i>Refers to this</i> |
|--------------------|------------------------------------|
| ➤ | A step in a procedure. |
| ■ | An item in a list of alternatives. |

Assumptions

This guide uses the following abbreviations:

| <i>This abbreviation</i> | <i>Refers to this</i> |
|--------------------------|---|
| Insignia | Insignia Solutions. |
| MS-DOS | Microsoft Disk Operating System for the IBM PC. |
| PC | An IBM PC or compatible computer. |
| Windows 95 | Microsoft Windows 95. |

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Introduction



This chapter introduces MacTransfer and shows how it enables you to work directly with Macintosh disks on your Windows 95 computer. It also explains the important differences between Macintosh and PC disks.

What is MacTransfer?

MacTransfer lets you use high-density 3.5-inch Macintosh format floppy disks with your Windows 95 computer. Whether you are using Windows 95 or an MS-DOS window, you will be able to put a Macintosh-format floppy disk into your PC drive and work with it just like an ordinary PC format floppy disk.

MacTransfer integrates seamlessly with the operation of your PC. Once it is installed you can read from and write to Macintosh disks from within any standard Windows 95 application, see the contents of Macintosh disks, and copy, delete, or rename files and directories on them.

Filename translation

There are slight differences between the filenames you can use on the Macintosh, and in Windows 95. MacTransfer takes care of these differences, automatically translating filenames where necessary.

This translation does not affect the names stored on the disk, so you can use a disk freely on both Macintosh computers and Windows 95 computers without problems.

About Macintosh disks

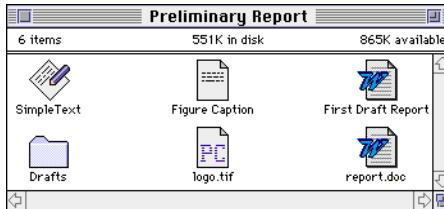
All Apple Macintosh computers use 3.5-inch floppy disks. Almost all (including all Macintosh computers sold since 1989) use a high-density 1.44 Mbyte format on their internal FDHD SuperDrive. MacTransfer enables you to read, write, and format high-density 3.5-inch disks on a Windows 95 computer.

Macintosh computers also use a medium-density (800 Kbyte) floppy disk format which requires proprietary Apple hardware and a mode of operation which other computers cannot emulate. Due to this hardware limitation MacTransfer does not support 800 Kbyte floppy disks.

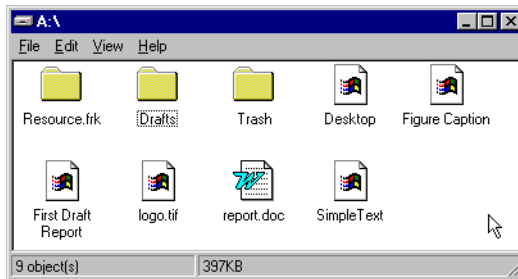
Working with Macintosh disks

MacTransfer allows you to work with Macintosh disks as if they were Windows 95 format disks.

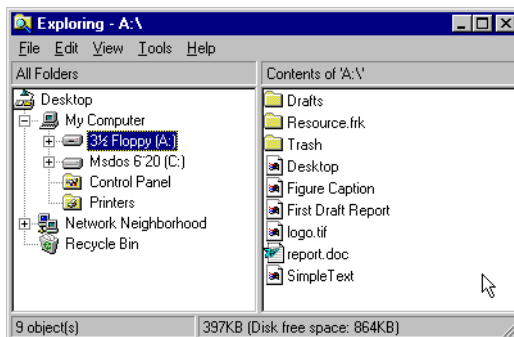
For example, a typical Macintosh disk would appear to a Macintosh user as follows, with the files and directories represented as icons:



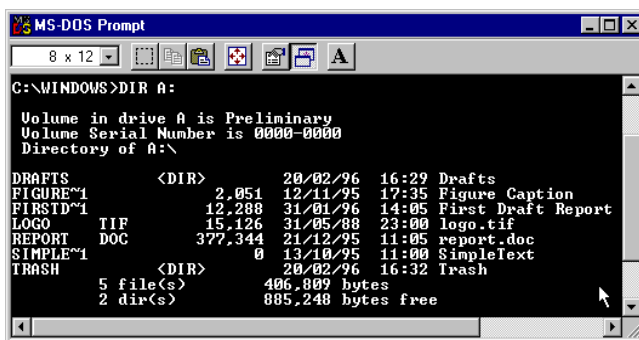
With MacTransfer installed, Windows 95 will display the contents of this Macintosh disk on a PC:



You can also view a Macintosh disk using the Windows 95 Explorer application:



In an MS-DOS window you can display the contents of the disk with the DIR command:



```
MS-DOS Prompt
8 x 12
C:\WINDOWS>DIR A:

Volume in drive A is Preliminary
Volume Serial Number is 0000-0000
Directory of A:\

DRAFTS      <DIR>          20/02/96  16:29  Drafts
FIGURE~1    2,051      12/11/95  17:35  Figure Caption
FIRSTD~1    12,288     31/01/96  14:05  First Draft Report
LOGO       TIF        15,126    31/05/88  23:00  logo.tif
REPORT     DOC       377,344    21/12/95  11:05  report.doc
SIMPLE~1    0          13/10/95  11:00  Simpletext
TRASH      <DIR>          20/02/96  16:32  Trash
5 file(s)           406,809 bytes
2 dir(s)           885,248 bytes free
```

Filename translation

MacTransfer automatically translates filenames to ensure that they are valid on both the Macintosh and Windows 95.

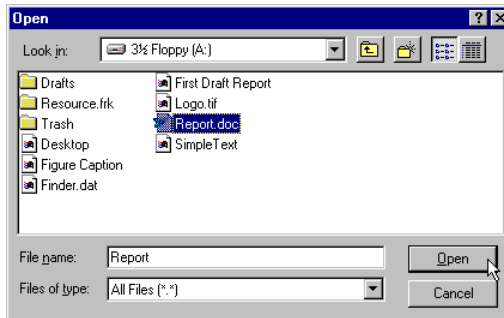
Macintosh files with valid MS-DOS names, such as `logo.tif` and `report.doc`, keep the same name in Windows 95.

Extended characters in Macintosh filenames that are not allowed in Windows 95 are converted to valid characters, and you can edit the mapping using the **MacTransfer Utility**; refer to *Changing the character mapping*, page 17.

Macintosh filenames have a maximum length of 31 characters. Windows 95 filenames longer than this are therefore truncated, and followed by ~1, ~2, and so on to distinguish them, to make the length 31 characters. If the file has an extension, the extension is preserved before truncation.

Using Macintosh files with PC applications

MacTransfer lets you open Macintosh floppy disks and read them or save to them using your Windows 95 or MS-DOS applications. For example, to read a Macintosh file from a Windows application you choose **Open** and select the drive containing the Macintosh disk:



If necessary, select **All Files (*.*)** from the **Files of type** drop-down list box to display all the files on the disk.

You will need to make sure that the file on the disk is in a format which your PC application can understand. Fortunately, many Macintosh applications can save their files in formats easily understood by their PC equivalents. You may also find that your PC application can open and understand Macintosh files directly.

Formatting disks

You can format floppy disks in Macintosh format, ready for use on a Macintosh, using the **MacTransfer Utility** from Windows 95; refer to *Formatting disks*, page 15.

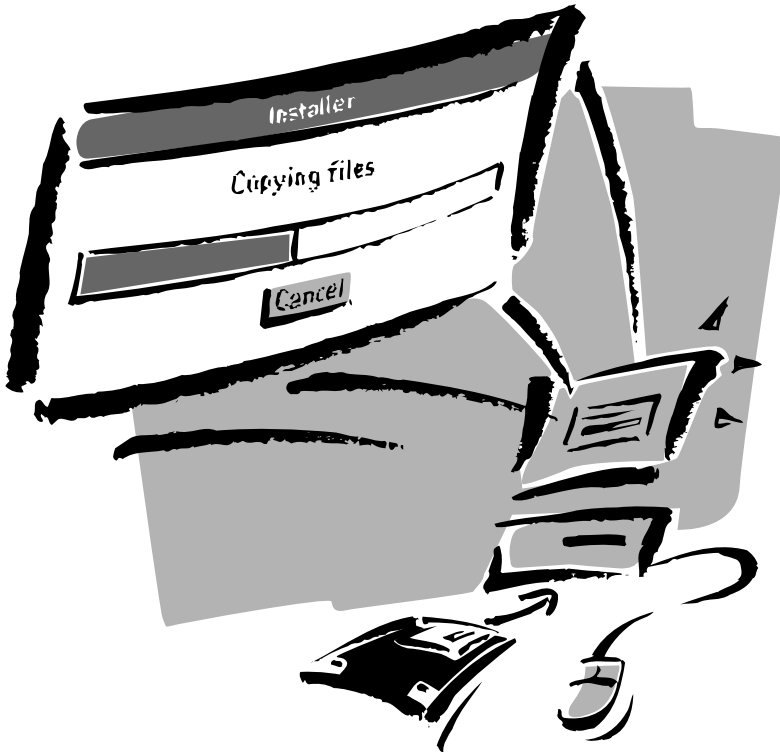
MacTransfer specification

MacTransfer has the following limitations:

- The maximum number of files and folders in the root folder is 224.
- The maximum number of files and folders in any folder is 400.

These limits may be reduced by other Windows 95 resource limitations.

Installing MacTransfer



This chapter describes how to install MacTransfer on your Windows 95 computer.

Before installing MacTransfer close any Windows applications you are using, as your computer will need to be restarted after the installation.

If you are using any virus protection software you should disable it before installing MacTransfer. The full MacTransfer installation process modifies some system files and may be interrupted by virus protection software.

Installing MacTransfer

This section describes the Windows 95 installer, which automatically installs all the files you need to use MacTransfer.

To install the MacTransfer files

- Insert the MacTransfer installation disk.
- Click **Start**, then click **Settings** and **Control Panel**.
- Double-click the **Add/Remove Programs** icon



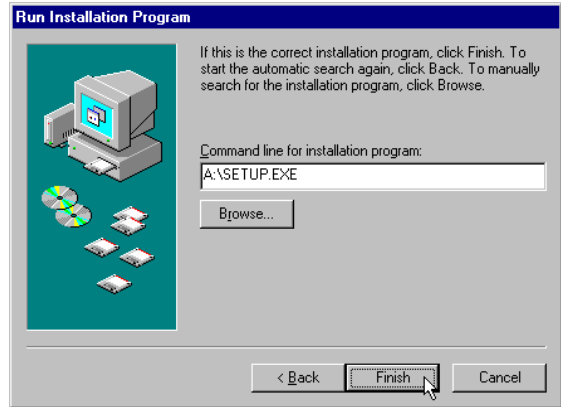
Add/Remove Programs

This dialog box appears:



- Click **Install...** to start the installation.

The installation program locates the MacTransfer installer on the disk you inserted:



- Click **Finish** to run installer.

The installation process will begin and you will see the MacTransfer setup screen.

To personalize your copy of MacTransfer

- When you have begun the installation process this dialog box appears:



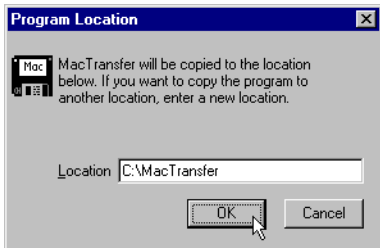
- Type in your name and company, and the serial number exactly as printed on the installation disk or as provided to you electronically.

Press **Tab** to move between the entry fields.

- Click **OK** to save your details, personalize your copy of MacTransfer, and continue the installation process.

To choose installation options

Once you have personalized your copy of MacTransfer, this dialog box allows you to specify the name and path of the folder for the MacTransfer files.



By default the program will be installed into the folder **C : \MacTransfer**.

- Click **OK** to proceed with the installation.

Finally this dialog box confirms that the installation is complete:



- Click **Restart** to restart Windows 95.

MacTransfer will be loaded when Windows 95 restarts.

Removing MacTransfer

This section describes how to remove MacTransfer from your PC.

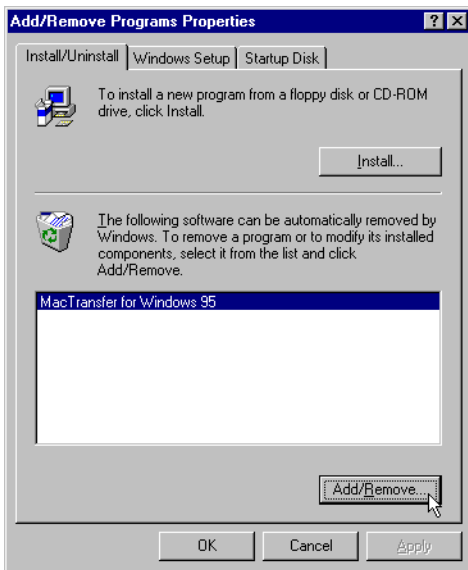
To remove MacTransfer

- Click **Start**, then click **Settings** and **Control Panel**.
- Double-click the **Add/Remove Programs** icon.



Add/Remove Programs

This dialog box appears:



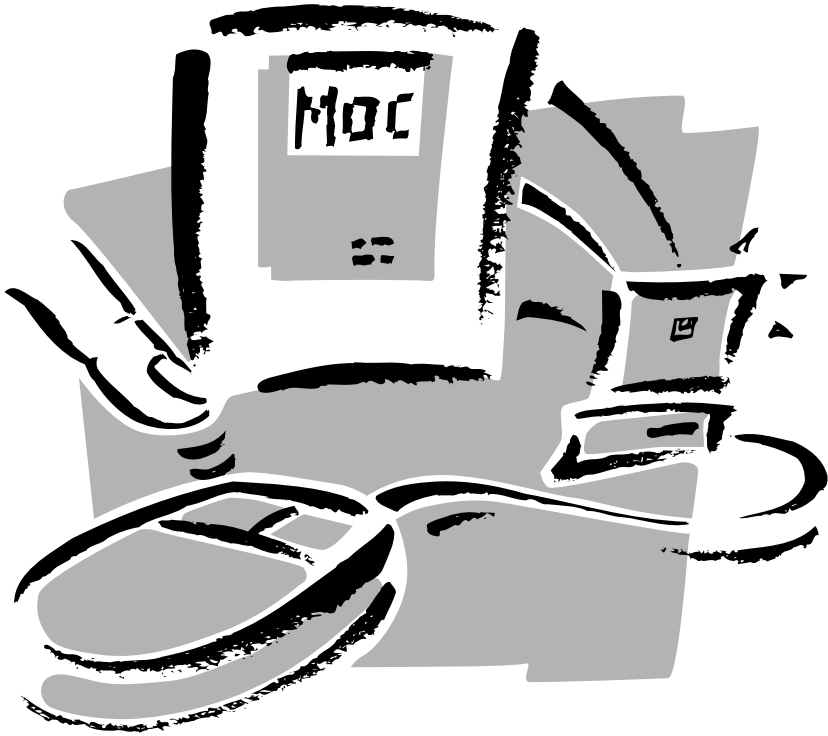
- Select **MacTransfer for Windows 95** and click **Add/Remove....**

This dialog box then confirms when MacTransfer has been successfully removed:



- Click **Restart** to restart your computer without MacTransfer.

Using MacTransfer with Windows 95



This chapter describes how MacTransfer works with Windows 95 to enable you to access files from Macintosh disks while using Windows applications, including the Windows Explorer.

It also explains how to list and format Macintosh disks from Windows.

Using Macintosh files with Windows applications

Once MacTransfer is installed you will be able to open files from Macintosh disks, and save files to Macintosh disks, in exactly the same way as with Windows 95 disks.

Some applications, such as Microsoft Word, are available in both Macintosh and Windows versions, and you can transfer documents freely between both versions.

With other Macintosh applications you may have to save files in a suitable PC format so that you can open them from Windows.

If your Macintosh program cannot save files in a suitable PC format you should use one of the standard interchange formats, shown in the following table, which almost all PC and Macintosh applications support.

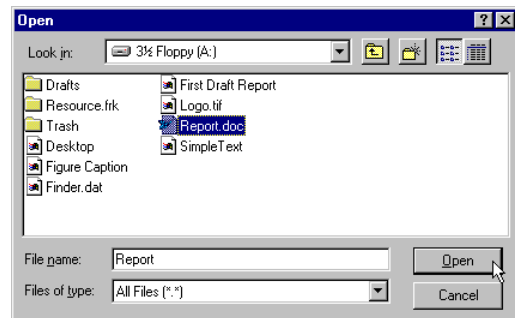
| <i>To save this</i> | <i>Choose this format</i> |
|---------------------|--|
| Text or data | Plain text (ASCII), Rich Text Format (RTF), or Comma Separated Values (CSV). |
| Bitmapped graphics | TIFF graphics format. |
| Illustrations | Encapsulated PostScript (EPS). |

You can usually exchange files between versions of the same application running on the Macintosh and on the PC.

To open files from a Macintosh disk

- Choose **Open...** from the application's **File** menu.

The application's **Open File** dialog box appears:



- Choose the drive containing the Macintosh disk from the **Look in** drop-down list box.
- Locate the file you want to open.

To see Macintosh files

Because Macintosh filenames do not usually have extensions your application may not be able to determine the type of each file.

For example, a Microsoft Word document saved from the Macintosh on to a Macintosh disk may not have a .doc extension, and will therefore not be recognized.

To see all files on the disk or in a folder:

- Choose the **All Files (*.*)** option from the **List Files of Type** drop-down list.

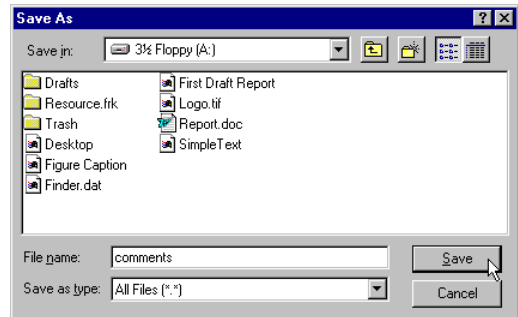
Alternatively, rename the file to give it an appropriate extension before opening it in the Windows 95 application.

For example, when you save a file from Microsoft Word on the Macintosh give it a name that ends with `.doc`, such as `Report.doc`, so that it will be recognized by the Windows version of Microsoft Word.

To save files to a Macintosh disk

- Choose **Save...** or **Save As...** from the application's **File** menu.

The application's **Save** or **Save As** dialog box appears.



- Choose the drive your Macintosh disk is in and enter a name for the file you are saving.

The name should be a valid Windows 95 filename.

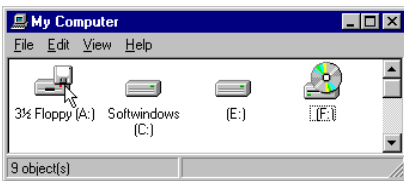
Listing Macintosh disks

Once MacTransfer is installed you can see the contents of a Macintosh floppy disk from the **My Computer** icon on the Windows 95 desktop.

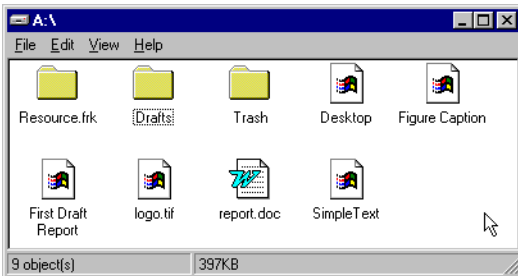
You can also explore Macintosh disks using the Windows Explorer.

To see the contents of a Macintosh floppy disk

- Double-click the **My Computer** icon on the Windows 95 desktop.
- Double-click the **3½ Floppy (A:)** icon in the **My Computer** folder:



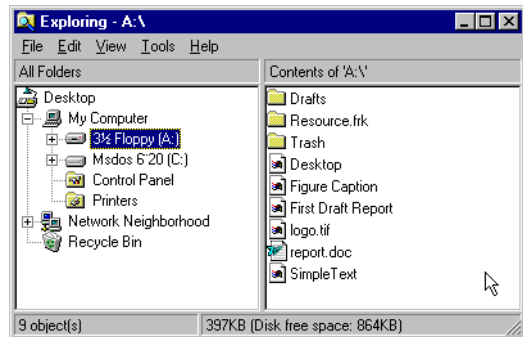
The contents of the disk will be displayed:



To list the files on a Macintosh floppy disk

- Click **Start**, then click **Programs** and **Windows Explorer**:
- Click the **3½ Floppy (A:)** icon.

The **Windows Explorer** will show a list of the files on the disk.



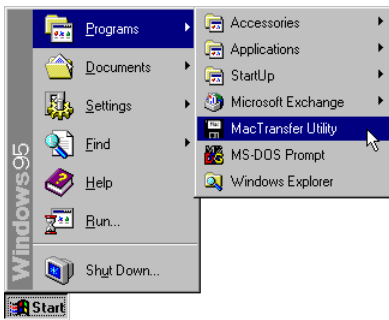
Formatting disks

MacTransfer includes a **MacTransfer Utility**, which allows you to format Macintosh disks on your PC.

On a system with two floppy disk drives do not access the other drive while formatting a disk on one drive.

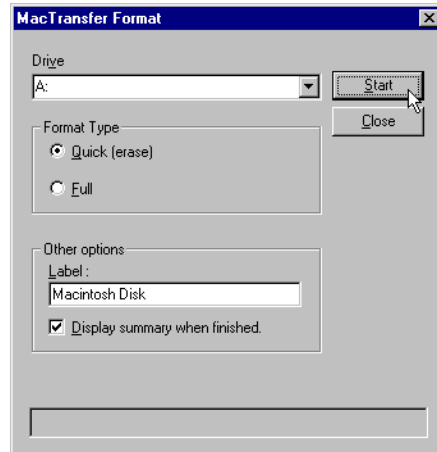
To format a disk

- Insert the disk you want to format into the floppy drive.
- Click the **Start** button in the taskbar, then click **Programs, MacTransfer Utility**.



The **MacTransfer Utility** window appears.

- Choose **Format** from the **File** menu.



- Select the correct drive, **A:** or **B:**, from the **Drive** drop-down list box..

If you have only one 3.5-inch drive the other drive will be grayed out.

- Enter a name for the disk in the **Label** box.

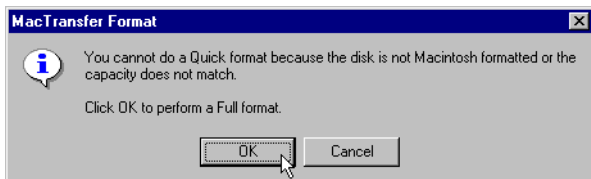
This can contain up to 27 characters which can be any combination of letters, spaces, and punctuation marks.

- Select **Quick (erase)** to re-initialize a disk that has already been formatted in the Macintosh high-density format, or **Full** to format a blank disk.

WARNING: All data on the disk will be lost.

- Click **Start** to format the disk, or **Cancel** to abandon the operation.

If you chose **Quick (erase)** and the disk was not already in Macintosh format this dialog box lets you choose a **Full** format:

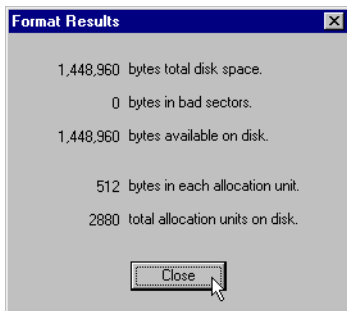


➤ Click **OK** to perform a **Full** format.

The dialog box then shows the progress of the format.

➤ Click **Cancel** to abandon the format at any point.

If **Display summary when finished** was selected, this dialog box informs you when the format is complete:



➤ Click **Close**.

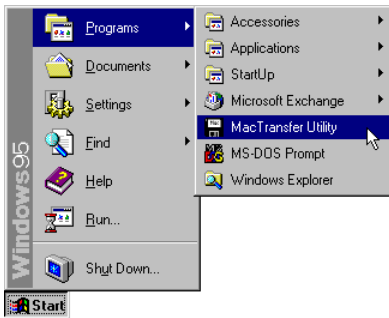
The newly formatted disk is now ready to use.

Changing the character mapping

Some of the characters allowed in Macintosh filenames are not valid in Windows 95. MacTransfer 95 provides a character mapping utility that allows you to map any Macintosh extended character in filenames into any valid Windows 95 character.

To specify the character mapping

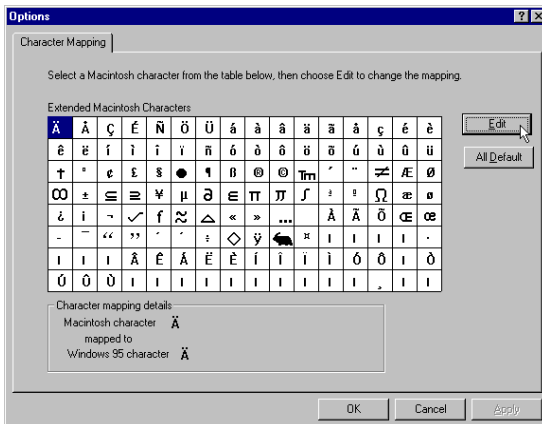
- Click the **Start** button in the taskbar, then click **Programs, MacTransfer Utility**:



The **MacTransfer Utility** window appears.

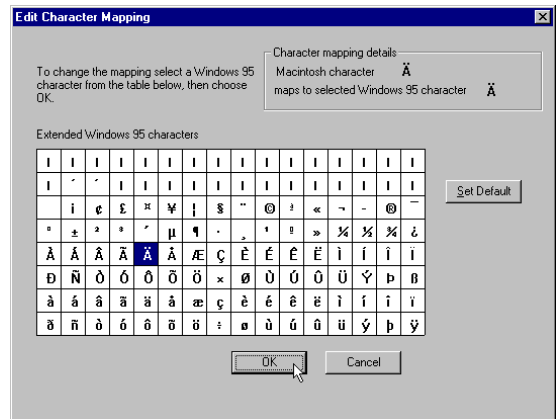
- Choose **Options...** from the **View** menu.

The **Character Mapping** panel will be displayed:



- Select any character in the Extended Macintosh Characters table that you want to map.
- Click **Edit**.

The **Edit Character Mapping** window is displayed:



- Click the character in the Extended Windows 95 characters table you want to map it to, and click **OK**.
- Repeat for any other Macintosh characters you want to map.
- Click **OK** to close the **Options** window.

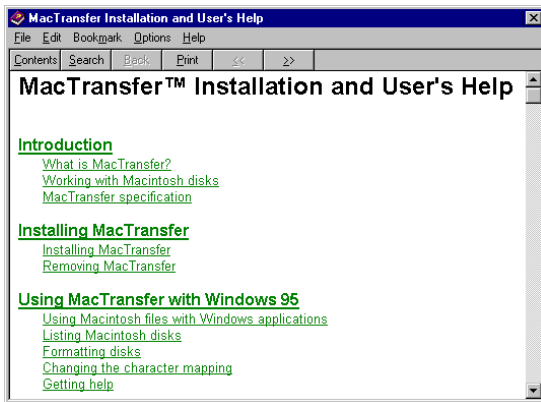
Getting help

The MacTransfer application includes comprehensive on-line help on MacTransfer.

To browse through help

- If you are not sure exactly where to look in the help system choose **Help Contents** from the **Help** menu.

A list of main topics is displayed.



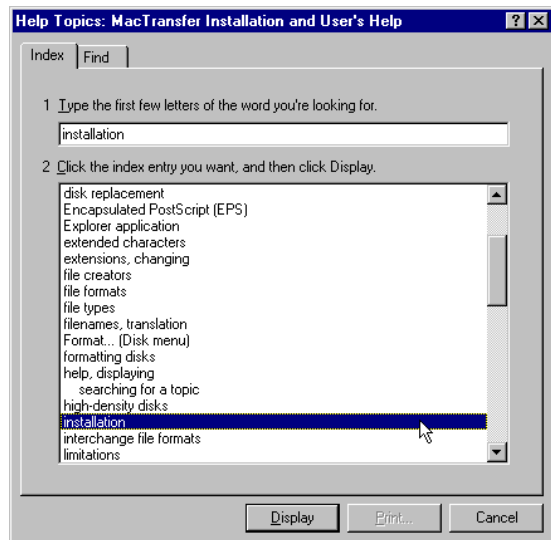
- Click the one you want.

The information you requested will be displayed. Any underlined text in the help text means that there is further information on a subject.

- Double-click the underlined text to move to the page giving more information.

To access help on a particular topic

- Click the **Search** button to display a list of the help topics.
- Type in the name of the topic you want and click **Display**, or double-click its name in the list.



The information you requested will be displayed.

Using MacTransfer in an MS-DOS window



This chapter explains how you can use MacTransfer in an MS-DOS window, to enable you to access files from Macintosh floppy disks direct from MS-DOS or from your PC MS-DOS applications.

Note that you cannot use MacTransfer in MS-DOS mode, such as after choosing **Shut Down** from Windows 95 with the **Restart the computer in MS-DOS mode** option.

Using Macintosh files with MS-DOS

Once MacTransfer is installed you will be able to open files from Macintosh disks, and save files to Macintosh disks, in exactly the same way as with MS-DOS disks.

Files you want to open on the PC should be saved from the Macintosh in a suitable PC format.

If your Macintosh program cannot save files in a suitable PC format you should use one of the standard interchange formats, shown in the following table, which almost all PC and Macintosh applications support.

| <i>To save this</i> | <i>Choose this format</i> |
|---------------------|--|
| Text or data | Plain text (ASCII), Rich Text Format (RTF), or Comma Separated Values (CSV). |
| Bitmapped graphics | TIFF graphics format. |
| Illustrations | Encapsulated PostScript (EPS). |

It is usually easy to exchange files between versions of the same application running on the Macintosh and on the PC.

To open files from a Macintosh disk

- Give the application's command to open the file.

If the original Macintosh filename was not a valid MS-DOS filename MacTransfer will translate it to a valid name.

For example, the valid Macintosh filename `First Draft Report` is illegal under MS-DOS because it contains spaces and is longer than eight characters. It will be translated to a name such as `FIRSTD~1`.

If your application requires you to type the name of the file you want to open, rather than to choose it from a menu, you must enter the MS-DOS version of the filename rather than the Macintosh version.

You can check the name assigned to files by MacTransfer using the `DIR` command. Alternatively, you can avoid the need to do this by using only valid MS-DOS filenames when saving files on the Macintosh. For more information refer to *Translating filenames*, page 25.

To change file extensions

Because Macintosh filenames do not usually have extensions your application may not be able to determine the type of each file.

For example, a Microsoft Word document saved from the Macintosh on to a Macintosh disk may not have a .DOC extension and will therefore not be recognized.

You can rename the files, to give them the correct extension, using the MS-DOS RENAME command.

To save MS-DOS files to a Macintosh disk

- Type the application's command to save the file.

Saving files to a Macintosh floppy is exactly the same as saving to any other disk. Follow the normal saving procedure used by your application, remembering to specify the disk you want by prefixing the filename with A: or B:.

To format disks

To format a disk in Macintosh format run the **MacTransfer Utility** from Windows 95 as described in *Formatting disks*, page 15.

Listing Macintosh disks

The MS-DOS DIR command allows you to see a detailed list of the files on a Macintosh disk.

To list the files on a Macintosh disk


- Type DIR A: or DIR B: at the MS-DOS prompt, depending on which drive contains the Macintosh floppy disk.

When you use the DIR command the information you are given consists of the following:

- The full Macintosh name of the disk or folder.
- The MS-DOS filenames for each file or folder.
- The size of each file in bytes. Note that this is for the data fork only.
- The date and time the file was last modified.

- The full Macintosh names of all files.
- The number of files on the disk, the total number of bytes used by the listed files, and the number of bytes free.

For example, a sample listing might appear as shown below:



```
C:\WINDOWS>DIR A:

Volume in drive A is Preliminary
Volume Serial Number is 0000-0000
Directory of A:\

DRAFTS          <DIR>          20/02/96  16:29 Drafts
FIGURE*1        2,051      12/11/95  17:35 Figure Caption
FIRSTD*1        12,288     31/01/96  14:05 First Draft Report
LOGO            15,126     31/05/88  23:00 logo.tif
REPORT          377,344    21/12/95  11:05 report.doc
SIMPLE*1        0          13/10/95  11:00 SimpleText
TRASH           0          20/02/96  16:32 Trash

5 file(s)          406,809 bytes
2 dir(s)           885,248 bytes free
```

Using Macintosh disks

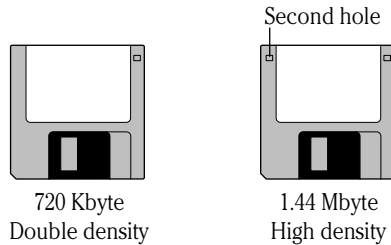


This chapter includes technical information about the Macintosh disk formats, MacTransfer's filename translation, and the special information stored on Macintosh disks.

Macintosh disk formats

All current Macintosh computers, and most Macintosh computers sold since 1989, support a high-density 1.44 Mbyte format which is compatible with PC drives. This is the format supported by MacTransfer.

The Macintosh recognizes high-density disks by the extra hole opposite the write-protect tab:



When using MacTransfer to format disks in Macintosh format you must use only high-density disks, with the extra hole; otherwise they will not be recognized as a formatted disk by a Macintosh.

Other Macintosh formats

Current Macintosh computers also provide an 800 Kbyte format, which uses low-density disks. This format is not compatible with PC drives, so MacTransfer cannot read Macintosh disks in this format.

The following early Macintosh models use an obsolete 400 Kbyte format: Macintosh 128K, Macintosh 512K, Macintosh 512 XE. This format cannot be used with MacTransfer.

Other PC drives

MacTransfer works with a high-density 3.5-inch drive, as fitted to most current PCs. Some older PCs and portable PCs have only low-density (720 Kbyte) 3.5-inch drives, or 5.25-inch drives, and these PCs are not compatible with MacTransfer unless upgraded with a high-density 3.5-inch drive.

Translating filenames

The Macintosh operating system, Windows 95, and MS-DOS use different conventions for naming files, summarized in the following table:

| <i>Macintosh filenames</i> | <i>Windows 95 filenames</i> | <i>MS-DOS filenames</i> |
|--|--|---|
| Up to 31 characters. | Up to 256 characters | Up to eight characters, followed by an optional extension of a period and up to three more characters. |
| May contain any characters except : (colon). | May contain any characters except: \\ / < > ? * " | May contain only the letters A-Z, the numbers 0-9, extended characters (such as é and ü) and the symbols: _ ^ \$ % ~ ! # & - { } () @ ' ` |

Reading Macintosh disks

When reading a Macintosh floppy disk, MacTransfer automatically translates Macintosh filenames to filenames that are valid for Windows 95. The Macintosh filenames stored on the disk are unaltered.

Standard Macintosh characters that are not legal in Windows 95 filenames are automatically shown as valid Windows 95 characters by MacTransfer as shown in the following table.

| <i>Macintosh character</i> | <i>Converted to</i> |
|----------------------------|---------------------|
| \ | _& |
| / | _% |
| < | _ [|
| > | _] |
| ? | _ 7 |
| * | _ @ |
| " | _ ' _ |
| | _ I |

Writing to Macintosh disks

Extended Macintosh characters are shown as valid Extended Windows 95 and MS-DOS characters, and you can edit the mapping using **MacTransfer Utility**; refer to *Changing the character mapping*, page 17.

When saving to a Macintosh floppy disk MacTransfer filenames of more than 31 characters are automatically truncated, and followed by ~1, ~2, and so on to distinguish them, to make the length 31 characters. If the file has an extension, the extension is preserved before truncation.

Applications

On the Macintosh each document contains information to identify the application that created it and the type of file.

On a PC the application that created a file is identified by a three-letter suffix, called the extension. If you want a Macintosh file to be recognized by a particular PC application you may need to rename it to give it the appropriate extension. For example, if you rename Report to Report.doc it will be recognized as a Microsoft Word document. Alternatively most applications give you the option of opening any file.

Windows 95 files copied to a Macintosh disk, using MacTransfer, are given the type TEXT and the creator MACD. If you double-click them on a Macintosh you will be given the option of opening them with **TeachText**. Alternatively, you can open them from any application that can read plain text files.

Special directories on Macintosh disks

MacTransfer may show some special directories on Macintosh disks. These correspond to folders and information used by the Macintosh operating system.

Desktop Folder

Files that the Macintosh user has moved from the disk's window on to the desktop are stored in a special folder on the disk called Desktop Folder. You can access this folder via MacTransfer and store files in it just like any other folder. However, when the

disk is returned to the Macintosh the files will appear on the desktop rather than the disk's window.

The Trash folder

On a Macintosh files dragged into the Trash from a Macintosh floppy disk are stored in a folder on the disk called `Trash` until the Trash is emptied. You can access these files from the PC.

Note that deleting files from a Macintosh disk on the PC will remove them completely. If you want to put them in the Trash for the Macintosh user, move them to the `Trash` folder.

The Resource.frk folder

Macintosh files can consist of two parts: a data fork and a resource fork. The resource fork usually contains information used by Macintosh applications, and is usually not relevant to PC applications.

The resource forks are stored in a hidden folder `Resource.frk`, in the folder containing the file.

Glossary

| | |
|------------------------|---|
| Creator | A four character code which identifies the application associated with each file on the Macintosh. The creator application provides icons for each type of document it recognizes. Files saved on Macintosh disks using MacTransfer have creator MACD . |
| Data fork | The section of a Macintosh file which contains the data, such as the text in a word-processing document. |
| Desktop file | A special file, invisible to Macintosh users, which contains information about the contents of a disk and the way they are displayed. |
| Desktop Folder | A folder on Macintosh disks which contains any files the user has moved onto the desktop. |
| Extension | A three-letter suffix used to identify the application that created a file under Windows 95. |
| FDHD SuperDrive | The dual-format Macintosh floppy disk drive which supports the 1.44 Mbyte disk format used by MacTransfer. |
| Initializing | The process of copying a filing system on to a disk so that it can be used for storing files. |
| Resource fork | An additional section of a Macintosh file which can contain information used by the Macintosh operating system and Macintosh applications. This is ignored by Windows 95. |
| Trash | A folder on Macintosh disks which contains any files the user has moved to the Trash before it is emptied. |
| Type | A four character code which identifies the type of document created by an application on the Macintosh. Files saved on Macintosh disks using MacTransfer have type TEXT . |
| Wildcard | A special character you can include in MS-DOS filenames to match a set of files: * matches any sequence of characters and ? matches any single character. |

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Software name: MacTransfer for Windows 95

Version:

Serial number:

Computer model:

RAM (Mbytes):

Windows 95 version:

Before you call technical support, please follow this pre-call checklist so our support technicians can help you more quickly and efficiently:

- Consult the documentation included with your product. It should provide answers to many of your questions.
- Have your software serial number available when you call.
- Let the technician know whether the program worked correctly prior to the problem you are experiencing, and whether you made any changes to your computer environment.
- If possible, be prepared to reproduce the sequence of steps or use the application that demonstrates the problem.
- Make a note of any error messages that appeared.

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Fax: (408) 327-6343
Fax response: (408) 327-6295 or 800-876-3872
Internet: mactech@isinc.insignia.com
World Wide Web: <http://www.insignia.com/>

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Europe, Middle East, Africa, and CIS countries

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|-----------|--------------------------------|
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