

File Viewer Help Index

File Viewer is a must-have utility for all Windows 3.1 power users, programmers and most casual users. It lets you browse file contents as text, either ASCII (as in listings or .INI files), hexadecimal dump for binary files or raw text with no respect for line ends and other control characters to easily identify printable data in binary files. Many aspects of formatting and display are configurable to your liking and needs. Among other features are:

- Stay on top of others for easy access
- Drag and drop files for viewing
- Installation as Windows File Manager menu item
- Registration in Windows registration database for easy file display and print
- DDE support

To learn how to use Help, choose Using Help from the Help menu or press F1.

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Important: read this before using the program

This program is distributed as shareware - please read license information before you decide to keep and use this program.

File Viewer Menu Commands

This is the list of File View menu bar selections. Click on the menu name below to get detailed information.

<u>File Menu</u>	open, print, exit
<u>Display Menu</u>	select display format and options, bring up format dialog box
<u>Find Menu</u>	repeat last find, bring up find dialog box
<u>Mark Menu</u>	toggle, set or reset tag mark, freeze and clear title
<u>Help Menu</u>	invoke help topic, display program version and copyright notice

File Menu Commands

Open... Ctrl+F12

Open a new file for display.

This option displays the standard Windows Open File dialog box. The File Type option usually contains two choices. One for "Any File (*.*)" and one for the kind of file that was specified on the command line when File View was started, if it contained any wild characters. So if you started File View using command line:

```
Fview c:\win\*.ini
```

the default file type will be "Default (*.INI)" and the directory will be preset to "C:\WIN". If you later change directory while selecting the file to open, it will not be reset back to "C:\WIN".

This behavior makes it easy to create customized icons in Program Manager that display only the most often used type of file. For example in your development group you may want to create an icon for "FV*.LST" to automatically narrow down the selection list to only the listing files. See also [Command Line Options](#).

Only one file is open at a time in File View and opening a file forgets any file that was open previously. All formatting options stay as they were before the file was opened.

Print... Ctrl+Sh+F12

Displays the print dialog box. The print is formatted according to the current display format selection and page setup options. There is a choice of printing the entire file or selected range of pages. If some text is [selected](#) the **Selected Text** option on the print dialog box will be enabled and preselected.

Page Setup...

Displays the page setup dialog box. See [Page Setup Options](#) for complete discussion of this topic.

Print Setup...

Displays the standard printer selection and setup dialog box. If a printer other than default is selected, it will be used for all prints until changed again or File View is closed. Printer choice is not saved and default printer is used whenever a specific selection is not made.

Print Page Ctrl+P

Prints one page from the current file formatted using the current display format.

This option is very handy for a quick print of the currently viewed data for further reference. To customize the output use Display option to choose display formatting, including font and line length if appropriate, and the select File-PrintPage.

Ignore DDE

If this option is checked, File View will not respond to other programs requests to open a new file. Programs that will issue such requests include Windows File Manager, [FviewDLL File Manager Extension](#) and Print Manager. See [Interface from other Windows applications](#) for more details on this topic.

This option is by default checked if you start File View and unchecked if FviewDLL or File Manager start Fview. See also [Command line options](#).

Exit

Exits File Viewer.

Display Menu Commands

Text	Ctrl+T
Hex	Ctrl+H
Raw Text	Ctrl+R

Selects one of the three main formats.

Text Format is mostly appropriate for actual text files. New lines are respected and you have the choice to change other options like expanding tabs, wrapping lines or translating ASCII/ANSI/EBCDIC characters.

Hex Format is a standard hexadecimal dump display. Usually you will want to have Wrap option turned on in this mode to format as much dump as will fill in the program window and still see both the hex and text part of the data. Most nonprintable characters will be displayed as dots appearing in the center of a character cell, but some will display as black blocks or empty squares depending on the current font. Generally only fixed pitch fonts (like Courier New) make sense for this type of display.

Raw Text Format is useful for generally non-displayable (binary) data that contains some text parts that you would like to look at. This is usually the case with program data files, executable modules and word processor documents. Data is displayed in text mode with no regard for new line character and translation of non-printable characters to dots.

You can also choose formatting mode from the Display Options dialog box, see below.

Wrap	Ctrl+W
------	--------

This is a quick shortcut to the Wrap option that also appears on the Display Option dialog box.

Options...	Ctrl+O
------------	--------

Displays a dialog box for complete set of formatting options. See [Formatting Options](#) for complete discussion of the topic.

Copy	Ctrl+C	(or Ctrl+Ins)
------	--------	---------------

Copies the currently selected text to the Clipboard. There is a limit of about 32700 bytes of text that can be copied to clipboard from FView. If the selection is bigger than that, the remaining text will not be copied. See [selecting text](#) on how to select text.

Always on Top

This option allows you to display the File View window or icon on top of all other windows or icons on your desktop. This is very useful when you have File Manager window maximized and drag files from File Manager to drop them on File View for display. See also [How to's, usage notes](#).

Find Menu Commands

Text...	Shift+F3
Hex...	Ctrl+F3

Displays a Find dialog box. You specify the data you want to find, search options and choose Find or Mark All button to execute.

In hex search you can enter only digits 0-9,A-F,a-f and space. Space is only an editing character and is not a part of the search data.

Search starts at the line following the [selected text](#) . The line containing the found data is then highlighted and displayed on the screen. Pressing Find Next (F3) restarts the search process. If the data is not found between the selected text and the end of the file, File View beeps and does not change the current line.

The find operation selects only the found text even though the entire line is highlighted on the screen. Pressing F3 finds the next occurrence of the search text even if it is in the same line. In this case the same line stays highlighted. If there are many occurrences of the search text in the current line and you want to skip to the next line, click the highlighted line. This [selects](#) the entire line and search resumes at the following line. See [How to's, usage notes](#) for more tips on searching.

Choosing Mark All button directs File View to find all occurrences of the data and [tag](#) (menu selection bar colors) all lines containing the found data. You can then skip from tag to tag using Mark Next (F2) command.

Note: Search is performed in the file data not in the formatted output. If a line is truncated during formatting it may still be marked as found. See [How to's, usage notes](#) on how to display long lines. File offsets are not part of the file. Perform hex search to find hex data, text search will not find hex data in dump display.

Next	F3
------	----

Repeats the last search text or hex command starting at the [selected text](#) .

Mark Menu Commands

Toggle **Ctrl+F2**

Toggles the [tag](#) for the [selected text](#).

Set

Sets [tags](#) on all [selected lines](#). Only lines currently displayed on the screen will be tagged even if more lines are selected.

Reset

Resets the [tags](#) on all [selected lines](#), even those not currently displayed on the screen.

Unmark All **Ctrl+Shift+F2**

Removes all [tags](#) and [text selections](#).

Next **F2**

Looks for the next tagged line starting at the line following the [selected text](#).

Freeze Title

Uses the selected text as the screen (and printed page, see [Page Setup Options](#)) title. Only lines currently displayed on the screen will be used as title. There can be no more than 15 title lines. Title is frozen in the current format. Changing display format does not change title. Title persists until explicitly cleared or FView is closed. In particular, opening another file does not clear title. See [How to's, usage notes](#) for more tips on titles.

Clear Title

Removes screen title.

Help Menu Commands

Contents **Ctrl+F1**

Displays the list of topics in this file.

Keyboard **F1**

Jumps directly to help topic describing keyboard shortcuts.

Help on Help

Displays the tutorial on using Windows Help.

About

Displays the program version and copyright information.

How to's, usage notes

[Quickly look at several files in File Manager](#)

Using mouse (drag and drop)
Using keyboard (File View menu)

[Make File View the default program for .LST \(or other\) files](#)

Associate File View with file type LST
Register File View in Windows registration database

[Keep File View from disappearing when other application becomes active](#)

Check the Display-Always on Top option

[Mark a line for later reference](#)

Tag the line by double clicking with mouse, use F2 to locate it later

[Select text for print or Clipboard copy](#)

Click left mouse button to select.
Click Shift+left button to extend selection

[Print selected portion of the file](#)

Select text, File-Print-Selected Text

[Find all occurrences of a string](#)

Use Find-MarkAll to tag all lines, locate them by pressing F2
(useful for finding errors in compiler listings)

[Continue search at line other than top of the screen](#)

Click on the line after which to start search, press F3

[Continue search at the next line](#)

Click on the selected line

[See more data on the screen](#)

Use Display-Options-Font to choose smaller font

[Display entire length of very long lines](#)

Use Wrap option
Use Display-Options-Fixed Line Length option with very long line

[See where do the lines actually end](#)

Use Display-Options-Show Background option

[Stop a File View instance from opening other files](#)

Check Ignore DDE item on File menu
Register without DDE support

[Format print page](#)

Use Display-Options to change font, line and wrap options
Use File-Page Setup to select margins and page heading options

[Start File View with those same formatting options every time](#)

Press Save on the Display-Options dialog box
Use command line options in the File Manager icon
Use command line options in the registration database

[Integrate File View into other applications](#)

Use DDE commands to control File View

[Start File View without opening a file](#)

Use -D switch on the command line but enter no file name
Check "Run Minimized" box in Program Manager properties for the icon

[Predefine titles for display and print](#)

Create a file that contains only title lines
Open the title lines' file, set title, open the file you need to view

[Print report files](#)

Use the **Eject on form feed** option in the **Page Setup** dialog
Make sure that report page fits on the paper

Browsing files in Windows File Manager

Using keyboard

Install File View as File Manager extension. This adds a new menu item **FView!** to the File Manager menu. Select a file in the File Manager window, press **Alt+E** (menu drops down) then **e** (File View starts). Adjust position and size of File View window, change format, if desired. Press **Esc** to minimize File View. Select another file in File Manager. Press **Alt-E**, File View pops up with the new file open. Press **Esc** to minimize it again...

Using mouse

Start File View either from Program manager icon or from File Manager menu, if installed. Adjust window and formatting as required. Check **Display-Always on Top** option. Minimize File View if it obstructs the desktop, bring File Manager to view. Drag a file from File Manager and drop on the File View icon or window. File view opens the new file restoring the window if it was minimized.

Associating File View with documents

Associate a file type with file view

Choose **File-Associate** option from File Manager. Type the file extension in the Extension box, type FVIEW.EXE in the Associate With box. Press **OK** button. This kind of association will start a new instance of File View every time you press Enter when selecting this type of file or choose **File-Open** from File Manager menu. This association does not let you drag and drop a file of this type on Print Manager to print it.

Register in Windows Registration Database

Run Notepad and open file **FVIEW.REG**, which comes with this program. Change the LST option near the top of the file to the requested file extension, save. Run registration editor **File-Run** REGEDIT from File Manager or Program Manager. Choose **File-Merge** option and select file FVIEW.REG. Close REGEDIT. This kind of registration uses DDE to communicate with File View. The same instance of File View will open all requested files unless **File-Ignore DDE** option is specifically turned off. Files of type registered in this manner can be dragged and dropped on Print Manager for printing.

Keeping File View window in sight

To keep File View from disappearing when other applications become active check **Display-Always on Top** option in File View. This will make sure that when you switch to another program File View window will not disappear. You may need to adjust the size of File View window if it obstructs other windows that you are using. File View icon will now also stay on top of other windows, so you may decide to minimize File View (Esc key).

Tagging lines with mouse

To mark a line for later reference position the mouse pointer over that line and double click the left mouse button. The line reverses colors after the first click then changes colors again after the second click. The second color is always identical to the color of a highlighted menu item in your Windows.

To find a marked line press **F2**. If File View displays the last line and beeps, press **Home** to go to the top of the file and press **F2** again. Each **F2** will locate the next marked line.

Changing selected text

The first line on the screen is the default *current line* for search and locate operations. If any text is selected, the current line is the first line following the selected text. To start search after a specific line, click that line once with the left mouse button. To clear any text selections, click the right mouse button.

Tagging all occurrences of a string

It is often useful to tag all occurrences of a string in the entire file. For example all error messages in a compiler listing file. To do this identify the string to find, select **Find-Text** option and type in the text. Choose other find options as desired. Press **Mark All** button. File View finds all occurrences of the text and tags all of them.

Note that the tag is actually assigned to the found text, not to the line. If you change formatting options, the tag will move with the first character of the tagged text.

Changing font for display and print

Choose **Display-Options** option, press **Font** button. Select the desired font. It is generally better to choose fixed pitch font for data display. If you are using Hex format, non-fixed font will make your display unreadable. The best choice is usually Courier 10pt or Courier New 10pt or 9pt. Courier New 9pt is usually a good choice for Page Print. Fonts below 6 points are usually unreadable.

Changing line display format

To display a file that contains very long lines choose **Display-Wrap** option. This will cause lines to wrap to the width of your window. Every time you change window size the text will wrap to the new width. If you want to wrap lines to a specific line length, choose **Display-Options** and check the Fixed Line Length box. Also adjust the Line Length to the desired value. This is very useful when you are browsing a file with fixed-length records and no carriage returns.

Normally File View does not format very long lines to preserve display buffer space. When you scroll right long lines are truncated at certain point and appropriate message displays. Use the above procedures (use very big number for Line Length) to force File View to format entire lines. Lines take only as much space as required, even with very big Line Length.

Displaying window background

By default the entire area of File View window is in the default window colors. In Control Panel terminology these are Window Text and Window Background colors. This means that a space character at the end of the line cannot be seen. To actually be able to tell if a line ends with blanks choose **Display-Options** option and check Display Background box. This will paint the entire background of File View window in the Application Workspace color. If the window color did not change, run Control Panel, choose Colors and change Application Workspace color to one different from Window Background color.

Ignoring DDE requests

DDE (Dynamic Data Exchange) is a way Windows applications talk to each other to exchange information and commands. File View is listening for DDE requests to open and display a file if the **File-Ignore DDE** option is not checked. This option is initially checked or unchecked depending on the way File View was started.

FviewDLL, the File View extension to Windows File Manager, uses DDE to tell File View to open another file. So does File Manager and Print Manager if File View was registered using REGEDIT.EXE program. This means that the same instance of File View will open new files. If you need to keep a file open and want another instance of File View to open a new file, check the **Ignore DDE** option.

Saving format information

Select **Display-Options** option. Choose format from Text/Hex/Raw Text. Select Formatting Options for the chosen format. Note that there is a separate set of Formatting Options for each format, you may wish to adjust options for all formats before saving. If desired press the **Font** button, choose font and press OK to get back to the Formatting dialog box. Press **Save**, your selections are saved in FVIEW.INI. The next time you start File View options will be retrieved from FVIEW.INI. Note that command line switches override FVIEW.INI options.

Integrating File View into other applications

Start File View using WinExec, ShellExecute or other means. Usually it is a good idea to initially minimize it. Initiate DDE conversation on SYSTEM topic. Send commands required to perform your task using DDE Execute facility available in your application. Send [Exit] command to tell File View to stop running. See [DDE Commands](#) for information on supported DDE commands.

Start File View without opening a file

Add -D switch on the command line but enter no file name, check "Run Minimized" box in Program Manager properties for the icon, if required. This is useful if there is the need to start File View and freeze it for later use (from File Manager or any other application).

Selecting text with mouse

To select a line of text click it once with the left mouse button. To select a range of lines click the left mouse button then move mouse pointer up or down to extend the selection. Release mouse button when all desired lines are selected. To extend selection scroll to the other end of the desired range of lines, press and hold Shift key and click left mouse button. This technique work particularly well if you need to select a large area that does not fit on one screen. Just select the first or last line, scroll, press Shift and click the other end of selection.

Printing selected text

Select desired range of lines. From **File** menu choose **Print**, option **Selection** is enabled and preselected. Press **Print**.

Copy to Clipboard

Select desired range of lines. Press **Ctrl+C**. Note for those who got really used to **Ctrl+Ins**: It works as well!

Predefining titles for display and print

To be able to use a set of title lines over and over again, save them in a file. Then open the title file, set all or some lines as title and open your data file. Title is not cleared when you open a new file

Printing report files

Check the **Eject on form feed** check box in the **Page Setup** dialog box, print. If report pages spill over to the next printed page (do not fit entirely on one page) verify the current paper size, font size and page margins. Select smaller font or smaller page margins to make sure that the longest of the report pages fits on a single printed page. Save settings to avoid going through the same procedure again later.

Windows default directory

Windows 3.1: the Windows directory, the one from which WIN.COM was executed.

Formatting Options

There are three display formats:

- **Text Format**, for generally readable ASCII/ANSI text files
- **Hex Dump Format**, for binary files
- **Raw Text Format**, for binary files that contain some text information

You choose format from the Format list box. Each format has a set of Format Options associated with it:

- **Wrap Text**, controls wrapping text to the width of File View window. Check this option to see the entire contents of long lines and to force Hex Dump lines to fit into the window.
- **Show Background**, controls display of the window background in different color to allow easy identification of trailing spaces and line lengths.
- **Expand Tabs**, really effective only in Text Format - expand tabs to spaces.
- **Fixed Line Length**, forces formatted line length to a fixed value independently of the dimensions of the Fview Window. The length of the formatted line is defined by Line Length option. Normally File View uses line length of about three widths of the screen. This preserves display buffer space with files that do not have proper line ends (like *.EXE files). Note that this is the maximum length that will be formatted. A line takes only as much buffer space as is actually needed for it. Also when viewing data files with fixed record size setting Line Length to the record length and checking Fixed Line Length box gives you true record-by-record display. Use this option to adjust the line width if Print Page option does not print lines long enough.

Line Length is used in conjunction with Fixed Line Length format option, see above.

Tab Length is the length of tab skip and is used in conjunction with Expand Tabs format option.

Scroll Bars: Vertical and **Horizontal**, display the scroll bar if checked, do not display when unchecked and dynamically decide when to display when grayed.

Note: Avoid graying both scroll bar check boxes. It is possible that FView will enter infinite loop of displaying alternately vertical and horizontal scroll bars. This will happen if the text displayed will accommodate any one scroll bar but not both. Use Ctrl-Alt-Del to kill FView in such event. This behaviour will be changed in a future release.

Code selects the code translation. Windows uses ANSI code by default. Some Windows fonts implement different character sets. Select:

- **ANSI** to display file data as is, without translation
- **ASCII** to translate from ASCII (also known as PC or OEM character set) to ANSI
- **EBCDIC** to translate from EBCDIC (IBM mainframes) to ANSI

Windows (ANSI) and ASCII character sets differ in assignments to characters with codes 128 (hex 80) and higher. Translation may not make any difference when the file does not contain any of these characters. ASCII to ANSI translation converts line and box drawing characters to characters printable in the ANSI character set.

Page Setup Options

File is printed using the current [display options](#). This dialog allows selection of some options specific to printing.

Heading controls information displayed in the page heading. The page heading occupies one line and is separated from the body of the page by another blank line. If none of the heading check boxes are checked, the heading is not printed and the body of the page begins on the first line of the page.

- **Include file name** prints the file name in the heading.
- **Include full path** precedes the file name with the full path for the file.
- **Include date & time** prints the current date and time.
- **Include page number** prints the word Page followed by the current page number.

Options includes general print processing choices.

- **Eject on form feeds**, causes FView to recognize form feed characters (hex 0C or ASCII 12) and eject new page right where the form feed is found. This options is very useful for printing report files. See [How To's](#) for some tips.
- **Print page titles**, causes FView to print text selected as page title at the top of every page, just under the blank line following the page heading or at the top of the page if heading is not selected.

Margins controls the offset from the edge of the printable area at which printing begins. Note that this does not account for the device specific non-printable area around the physical page. Margins are measured in inches or centimeters depending on the international settings in Windows.

Keyboard Shortcuts

The following key combinations are recognized by File View:

Scrolling

↑ and ↓	up and down one line at a time
PgUp and PgDn	up and down one screen at a time
Home	top of the file
End	bottom of the file
← and →	left and right one character at a time
Ctrl+← and Ctrl+→	left and right one-third of a screen at a time
Ctrl+Home	left margin
Ctrl+End	right margin

Format

Ctrl+T	text format
Ctrl+H	hex dump format
Ctrl+R	raw text format
Ctrl+W	toggle wrap lines
Ctrl+O	Options dialog box

Search

Shift+F3	text find
Ctrl+F3	hex find
F3	repeat last search

Marks (tags)

Ctrl+F2	toggle current line tag
F2	find next tag
Ctrl+Shift+F2	clear all tags

File

Ctrl+F12	open file
Ctrl+Shift+F12	print dialog
Ctrl+P	immediate print page

Help

Ctrl+F1	help contents
F1	keyboard help

Other

Esc	minimize File View window
Alt+F4	close File View window and exit
Ctrl+C	copy selected text to Clipboard
Ctrl+Ins	copy selected text to Clipboard

Mouse Operations

The following mouse operations are recognized by File View in addition to standard Windows operations on menus, scroll bars and dialogs:

Single Click (left)	selects the line pointed to by the mouse pointer
Click and Drag (left)	selects multiple lines
Shift + Click (left)	extends the current selection
Double Click (left)	tags the line pointed to by the mouse pointer
Single Click (right)	clears the selection (but not tags)

Advanced Topics

This section describes more complicated aspects of using FView. It is intended for power users, network administrators and all others who want or need to go one step further in understanding FView behaviour and abilities.

[Command line options](#)

[Installation as File Manager extension](#)

[Controlling from other Windows applications](#)

[Supported DDE Commands](#)

[Registration: FVIEW.REG File](#)

[FVIEW.INI File](#)

Command Line Options

File View command line has the following form:

```
FVIEW [file spec] [switches]
```

The order does not matter, switches can be before and after the file name. Each element (switch or file spec) must be separated from the rest by at least one blank.

The *file spec* can be a unique file name optionally with path - the file gets opened immediately, or a wildcard file specification. In the latter case the Open dialog box is displayed with files matching the *file spec* preselected. Also the wildcard file specification is added to the File Type list box in the open dialog and made the default specification every time you select **File-Open** option. This is useful when you work with certain type of files and need to change open file. You may want to define a "* .INI" icon in Program Manager to easily access any INI file in your Windows directory:

```
FVIEW /T /X C:\WIN\*.INI
```

There are two kinds of switches: selection switches and on-off switches. Selection switches are not case sensitive and their presence turns the option on. On-off switches are case sensitive: uppercase letter turns the option on and lowercase letter turns the option off. These are mostly used to override format options.

Selection switches:

/X	maximize File View window; default: normal size window
/N	minimize File View window; default: normal size window; note that for the FView window to stay minimized you must also use /D switch and use no file name on the command line
/M	make FView window topmost (always displayed above other, normal, windows)
/D	DDE server mode; default: ignore DDE requests
/T	start in Text Format
/H	start in Hex Dump format
/R	start in Raw Text format
/A	source is ANSI
/C	source is EBCDIC

On-off switches, default is the current contents of FVIEW.INI:

/w	wrap lines
/b	show background
/e	expand tabs
/l	fixed line length

Note that format switches override format options for the format in which File View starts, other formats are not affected. Also if you do not save options, FVIEW.INI settings are not modified. See also [Formatting Options](#).

File Manager Extension Installation

File View can be installed as Windows File Manager *extension*. When this is done File Manager adds File View **FView!** menu item to its menu bar. The drop down menu contains two options:

Start FView this option starts File View if no instance is running or no instance responds to DDE requests.

Options... displays the options dialog box. Available options are:

Menu Title type in the text you would like to see on the File Manager menu bar.

Command type in the command line to be executed when you select the **Start FView** option.

About... this option displays the File View File Manager extension About box.

Installation:

- Copy File View files

```
FVIEW.EXE
FVIEW.HLP
FVIEWDLL.DLL
```

to a directory included in your PATH=.

- Start Windows Notepad: either click Notepad icon in your Program Manager window or enter **File-Run** option in program manager or File Manager then type NOTEPAD and press **OK**.
- Open file WINFILE.INI in your Windows directory. It looks somewhat like this:

```
[Settings]
MinOnRun=1
Replace=0
LowerCase=1
StatusBar=1
Save Settings=0
```

- Add the following paragraph at the end of file, if one does not exist:

```
[AddOns]
File Viewer=FviewDLL.DLL
```

- Save the file and close Notepad.
- Close File Manager if it was started.
- Start File Manager, enjoy [easy access](#) to File View.

Note that File Manager will not load more than 4 extensions simultaneously. You may need to trade. If you decide to not to include FViewDLL as an extension, you can still use FView to [conveniently](#) browse files.

The most common errors made during installation of the FView File Manager extension:

1. The name of the DLL is **FViewDLL.DLL** not FView.DLL!
2. Include the full path to FViewDLL.DLL, if it is not in your PATH.

Controlling from Other Windows Applications

File View uses DDE to accept requests from other Windows applications. Most often the originator of DDE requests will be:

FViewDLL File Manager Extension: if File View is installed as File Manager [extension](#), selecting **FView!** menu sends DDE requests to File View.

File Manager: if you [register](#) File View as default processor for selected file types, File Manager changes file icon from "general file" icon to "document" icon. Double clicking such file directs File Manager to start appropriate application (Fview in this case) to open the file.

Print Manager: if you [register](#) File View using REGEDIT.EXE Print Manager will know how to request from File View that an associated file be formatted for printing. Dragging and dropping such file on Print Manager window (or icon) results in activating of File View with the request to print the dropped file.

You can also request from File View that a file be opened or printed. Here is the protocol (this is the default protocol used by Windows for registered applications):

1. Try to open DDE session with server "File Viewer" on topic "System".
2. If the session was open skip this item, otherwise start File View using the following command line:

```
FVIEW.EXE /D [other options]
```

Note that there is no file name in the command line. You could include file name in the command line and that would be the end of the conversation. The /D [switch](#) tells File View to listen to DDE requests.

3. Try to open DDE session with server "File Viewer" on topic "System". If it did not work - you have a problem.
4. Send the following DDE request to the open DDE channel:

```
[Open "file name"] [Print] [Exit]
```

[Open "file name"]	open file "file name"
[Print]	print the currently open file
[Exit]	exit this instance of File View

4. Close the DDE channel.

See [DDE Commands](#) for more information on supported DDE commands.

Supported DDE Commands

The following commands are recognized by File View when sent using DDE Execute interface. Any number of commands may be specified in a single Execute request. File View is not case sensitive commands may be in any case.

[Open " <i>file name</i> "]	Opens file <i>file name</i> and formats display in the current format.
[Print]	Prints the entire current file using current format options.
[Exit]	Closes File View window and ends processing.
[DDE]	Toggles "Ignore DDE" switch. The effect is always to turn it off - it must have been on to receive this message. Using this switch detaches this copy of File View from the controlling application. Useful when there is the need to open several instances of File View.
[Display <i>format</i>]	Selects current format type. <i>Format</i> can be: Text as in Display-Text menu Hex as in Display-Hex menu Raw as in Display-Raw Text menu Wrap as in Display-Wrap
[Window <i>option</i>]	Changes program window setting: Minimize minimizes File View window to icon Maximize maximizes File View window Restore restores File View window to normal size OnTop toggles "Display On Top" switch

Registration: FVIEW.REG File

In the unfortunate case when you loose your FVIEW.REG file, here is the proper contents of the distribution version of the file. Maximize this window to avoid wrapping. Every line begins with "HKEY_CLASSES_ROOT" text. The first three lines describe extensions to be registered. You can add more lines in the same format or remove some of the lines. Make sure they do not conflict with already existing definitions. "List_File" is the name of class of files processed by File View. Once you register this class, you can associate any number of extensions with it using File Manager **File-Associate** option. "Binary_File" is the name of another class also associated with File View but this time display and print is always forced to hex mode. See [DDE Commands](#) for information on other DDE commands you may want to use in registration of your classes.

```
HKEY_CLASSES_ROOT\.inf = List_File
HKEY_CLASSES_ROOT\.log = List_File
HKEY_CLASSES_ROOT\.lst = List_File

HKEY_CLASSES_ROOT\List_File = List File
HKEY_CLASSES_ROOT\List_File\shell\open\command = FView.Exe -D
HKEY_CLASSES_ROOT\List_File\shell\open\ddeexec = [OPEN "%1"]
HKEY_CLASSES_ROOT\List_File\shell\open\ddeexec\application = File Viewer
HKEY_CLASSES_ROOT\List_File\shell\print\command = FView.Exe -D
HKEY_CLASSES_ROOT\List_File\shell\print\ddeexec = [OPEN "%1"][PRINT]
HKEY_CLASSES_ROOT\List_File\shell\print\ddeexec\application = File Viewer
HKEY_CLASSES_ROOT\List_File\shell\print\ddeexec\ifexec = [OPEN "%1"][PRINT][EXIT]

HKEY_CLASSES_ROOT\Binary_File = Binary File
HKEY_CLASSES_ROOT\Binary_File\shell\open\command = FView.Exe -D
HKEY_CLASSES_ROOT\Binary_File\shell\open\ddeexec = [Display Hex][OPEN "%1"]
HKEY_CLASSES_ROOT\Binary_File\shell\open\ddeexec\application = File Viewer
HKEY_CLASSES_ROOT\Binary_File\shell\print\command = FView.Exe -D
HKEY_CLASSES_ROOT\Binary_File\shell\print\ddeexec = [Display Hex][OPEN "%1"][PRINT]
HKEY_CLASSES_ROOT\Binary_File\shell\print\ddeexec\application = File Viewer
HKEY_CLASSES_ROOT\Binary_File\shell\print\ddeexec\ifexec = [Display Hex][OPEN "%1"][PRINT][EXIT]
```

This is the end of this file.

FVIEW.INI File

FView saves options in the FVIEW.INI file. Versions prior to 1.2 saved options in WIN.INI. When version 1.2 or later is executed and it does not find FVIEW.INI, it will check WIN.INI. If any options are found there, FView will create FVIEW.INI in the [Windows default directory](#). Then the entire *[File Viewer]* paragraph will be moved to the newly created file. This way the conversion is done painlessly and transparently to the user.

FVIEW.INI file search order:

1. Directory from which FVIEW.EXE was started. If the file is found, get the value *MasterProfile* from paragraph *[FView Setup]*. If the value is 1, use this FVIEW.INI. Otherwise keep searching using the standard Windows search order.
2. The current directory.
3. The Windows directory.
4. The Windows system directory.
5. The directory containing the currently running FVIEW.EXE.
6. The directories listed in the PATH environment variable.
7. The list of directories mapped in the network.

Notes for network administrators:

The above search sequence is the standard way Windows looks for files except for the first step. The first check is done to allow a network administrator to define a rigorous network setup in which users are always presented with the same interface each time they are put into FView. In a future version this will be expanded to allow selective disabling or deleting of menu options to further restrict and simplify the user interface.

If the rigorous setup is not desirable, do not include *MasterProfile=1* in the profile stored on the network. This way any profile found in a directory earlier in the search order will override the main network profile. You do not need to have a network profile. In fact the user does not need any FVIEW.INI file to run FView. One will be created in the [Windows default directory](#) if the user decides to save options.

If there is no master profile, a number of INI files can be stored in various directories and every time FView is started with a different current directory, it will read a different INI file.

Every INI file stored in a non-writeable area on the network should have the DOS read-only attribute set. If the attribute is set, FView will gray **Save** buttons on options dialog boxes indicating to the user that these options cannot be saved. If the read-only attribute is not set but the file is not writeable due to the network privileges of the user, **Save** buttons will not be grayed and if the user presses one of them, FView will attempt to save options. The result will be either a network *Sharing Violation* warning message or no feedback at all.

Of course any local INI file may also have the attribute set to gray all **Save** buttons.

The File Manager extension follows the same search path. There is a catch, though. It starts from the FVIEWDLL.DLL directory. Therefore, if FVIEW.EXE is not in the same directory as FVIEWDLL.DLL different INI files might be used by FVIEW.EXE and FVIEWDLL.DLL. Also the current directory for FVIEWDLL.DLL will be different than that of FVIEW.EXE and again different FVIEW.INI files may be used.

The contents of the FVIEW.INI file:

The *[Fview Setup]* section is intended for the administrator and is not modified by FView. The *[File Viewer]* section is changed by the program and is better not modified manually. The format of *[File Viewer]* is subject to change without notice. *[FView Setup]* may get more entries, but these are here to stay. More sections may be added.

This section must be added manually, if required.

[Fview Setup]	
MasterProfile=0	See above
DiagMode=1	Displays additional information on dialogs

These values are saved by the program, do not change them manually, too many bit flags. Also they may change in a future release.

```
[File Viewer]
Format=0
Options0=96
Options1=25
Options2=65

LineLength=61
TabLength=8
Font=XT Term,9
SourceCode=0
```

VertScroll=2
HorzScroll=0

PrintOptions=263
PageMargins=0,50,0,0

FManMenuItem=FVi&ev!
FManCmdLine=C:\DEV\WIN\FVIEW\FVIEW.EXE -D

License and Registration Information

This section contains important license and registration information. Please read it carefully before using the program.

[Disclaimer - Agreement](#)

[Definition Of Shareware](#)

[Release Notes](#)

[Future Plans](#)

Disclaimer - Agreement

Users of File Viewer must accept this disclaimer of warranty:

"File Viewer is supplied as is. The author disclaims all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The author assumes no liability for damages, direct or consequential, which may result from the use of File Viewer."

File Viewer is a "shareware program" and is provided at no charge to the user for evaluation. Feel free to share it with your friends, but please do not give it away altered or as part of another system. The essence of "user-supported" software is to provide personal computer users with quality software without high prices, and yet to provide incentive for programmers to continue to develop new products. If you find this program useful and find that you are using File Viewer and continue to use File Viewer after a reasonable trial period, you must make a registration payment of \$9.95 to Maze Computer Communications. The \$9.95 registration fee will license one copy for use on any one computer at any one time. You must treat this software just like a book. An example is that this software may be used by any number of people and may be freely moved from one computer location to another, so long as there is no possibility of it being used at one location while it's being used at another. Just as a book cannot be read by two different persons at the same time.

Commercial users of File Viewer must register and pay for their copies of File Viewer within 30 days of first use or their license is withdrawn. Site-License arrangements may be made by contacting Maze Computer Communications.

Anyone distributing File Viewer for any kind of remuneration must first contact Maze Computer Communications at the address below for authorization. This authorization will be automatically granted to distributors recognized by the (ASP) as adhering to its guidelines for shareware distributors, and such distributors may begin offering File Viewer immediately (However Maze Computer Communications must still be advised so that the distributor can be kept up-to-date with the latest version of File Viewer.).

You are encouraged to pass a copy of File Viewer along to your friends for evaluation. Please encourage them to register their copy if they find that they can use it.

This program does not have any printed documentation all information on use and capabilities is included in the online help.

All registers user receive free technical support for 101 days from the date of registration. Also all registered users receive a free upgrade to the next version of this program when that version becomes available. To report bugs, receive help and bug fixes please send a CompuServe message via CompuServe Mail to:

Jurek Makowiecki
[70152,1501]

or, if you do not have access to CompuServe, write to the address below.

Make payment by check or money order to Maze Computer Communications and mail to:

Jerzy Makowiecki
Maze Computer Communications
269 Amethyst Way
Franklin Park, NJ 08823
USA

You can also register your copy of this program using CompuServe: type GO SWREG at any ! prompt and follow instructions.

Definition Of Shareware

Shareware distribution gives users a chance to try software before buying it. If you try a Shareware program and continue using it, you are expected to register. Individual programs differ on details -- some request registration while others require it, some specify a maximum trial period. With registration, you get anything from the simple right to continue using the software to an updated program with printed manual.

Copyright laws apply to both Shareware and commercial software, and the copyright holder retains all rights, with a few specific exceptions as stated below. Shareware authors are accomplished programmers, just like commercial authors, and the programs are of comparable quality. (In both cases, there are good programs and bad ones!) The main difference is in the method of distribution. The author specifically grants the right to copy and distribute the software, either to all and sundry or to a specific group. For example, some authors require written permission before a commercial disk vendor may copy their Shareware.

Shareware is a distribution method, not a type of software. You should find software that suits your needs and pocketbook, whether it's commercial or Shareware. The Shareware system makes fitting your needs easier, because you can try before you buy. And because the overhead is low, prices are low also. Shareware has the ultimate money-back guarantee -- if you don't use the product, you don't pay for it.

Release Notes

Notes for version 1.2 of File Viewer.

Broke the promise to never release version 1.2.

Search behaviour has been changed: when the text is not found, FView will no longer scroll to the bottom of the file. It will beep and stay at the current location.

EBCDIC code conversion has been added, see [Formatting Options](#).

Control over scroll bars has been added, see as above.

Print will now, optionally, eject pages on form-feeds, see [Page Setup](#).

FView will now read FVIEW.INI file to obtain startup options, see [FVIEW.INI](#).

Title Lock has been added, see [Mark Menu Commands](#).

Options to set and reset marks on more than one line at a time have been added, see as above.

Notes for version 1.1c of File Viewer.

Corrected font selection. Now fonts are correctly selected on startup based on the last saved value.

Corrected "Error Status 102" for cases when file currently displayed by FView gets modified by another application. FView will now reread file information and continue.

Notes for version 1.1b of File Viewer.

Added options dialog box to File Manager extension. Now you can change the File Manager menu text used by File View and specify command line used by the extension to start FView.exe

Added two more command line switches to allow starting FView minimized and topmost.

Notes for version 1.1a of File Viewer.

This version concludes development for version 1.x of File View. All major items planned are already in place. Bug fixes and minor enhancements will still be added. The next serious incarnation will be version 2.0. Features will heavily depend on user's feedback.

We do not intend to add display of Windows or Windows apps formats. The originators of those files will always make a much better job of displaying them. There will be no WinWord, Paintbrush or Excel file display. What we do consider is low-level display of files in various formats. For example PCX headers, BIFF records or RIFF chunks. We also do consider display of ZIP directories and NTFS/HPFS file attributes.

The following has been changed or added in this version:

- added multiple line select
- added print for selected text
- added copy to clipboard
- updated help file

Notes for version 1.1 of File Viewer.

The following has been changed or added:

- full print support including print setup and page setup
- improved scrolling and formatting
- extended set of DDE commands for easier integration
- native Windows NT™ version now exists (WinNT is still in beta therefore File View for Windows NT also stays in beta status) and is available on WinNT forum on CompuServe
- some minor errors have been corrected

Notes for version 1.0a of File Viewer.

The following errors have been corrected:

- mouse pointer occasionally changed to an hourglass and did not change back
- FVIEWDLL did not work with Windows For Workgroups
- window background was forced to white instead of colour defined in Control Panel
- find occasionally pointed one or more lines before the line that contained the found data

The following behaviour has been changed:

- line highlighted by a left mouse button click or a find (find next) command was unmarked at the first scroll command. Now it will stay highlighted until it scrolls off the window
Note: Currently the line is unmarked also when Fview rereads the file to refill the display buffer (mouse pointer momentarily changes to an hourglass). This will be changed in a future version of the program.
- "find next" command now does not scroll the window if the next occurrence of the search string is currently visible

Future Plans

The future plans for this program include the following items. These are plans, They may get changed: dropped if there is not enough interest - read registered users, or expanded according to user's feedback. We reserve the right to change plans at our discretion without giving any reason.

See [Release Notes](#), for comments on file formats and bug fixes..

The Windows NT™ version is at this time source-level compatible with Windows 3.1 version but is compiled as native 32-bit WinNT application. Some `#ifdef` magic was necessary to make this happen. In future versions File View for Windows NT will support some NT specific features (long file names, NTFS gimmicks, Unicode etc.)

And here is the wish list as of version 1.2:

- Modeless search in large files with Cancel button to interrupt search
- Line numbers and file offsets display
- Jump to file offset or line number
- Fine adjustment if starting address in hex mode
- More elaborate search: skipping white space, search in display data, other
- Toolbar and status bar
- OLE server mode
- Page and screen layout enhancements
- Block select in addition to line select

