




## Search and Replace for Windows Help Contents - Version 2.85

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**Search and Replace** is a Search (grep) utility you can use to find a given string in multiple files, including files inside of ZIP archives. In the registered version, you can replace some, all, or none of these strings with another string. In the shareware version, you can only replace in the first file in each session. A touch button allows you to change the date and time of the files you specify. The Search Results list allows you to view the file using the associated viewer or the context of the line where the string was found (see [Search and Replace Main Window](#)). Regular expressions are supported for both Search and Replace (registered version only). See [Regular Expression Support](#) for more details. You can create [Scripts](#) for multiple Search/Replace strings, multiple paths, and/or masks to process. For processing multiple lines or [Using Special Characters](#), see the [Binary Mode dialog](#) (the  buttons next to the Search and Replace fields).

### Product Information

[Purchase & Order Search and Replace for Windows](#)  
[License Information](#)  
[Customer Support](#)  
[Acknowledgments](#)  
[Funduc Software Products](#)

### Basic Operations


[Search and Replace Main Window](#)  
[Program Options](#)  
[Action Menu](#)  
[Edit Menu](#)  
[View Menu](#)  
[Command Line Parameters](#)  
[About dialog](#)

### How To...

[A Quick How-To Guide](#)  
[Graphic Overview of the Main Screen](#)  
[Scripts](#)  
[Regular Expressions](#)  
[Binary Mode Editor](#)  
[Special Characters](#)  
[Touch Files](#)

## Quick How-To Guide

**Start a search:** Enter (or select from combo boxes) a search string, one or more file masks and a path. Then click Search. For more information see [Search and Replace Main Window](#). ZIP files are searched by default. To configure that and many other items, see [Program Options](#).

**Use Special Characters or Multiple Lines in Search or Replace:** Click the  button to the right of the Search or Replace String field to use multiple lines or special characters for that field. The [Binary Mode dialog](#) will be displayed. When you are done creating the string "Binary mode -->" is displayed on the main dialog. To view the string later, click the button again (it cannot be shown on the main screen). You can also add several lines to the beginning or the end of the files processed.

**Set Up Include &/or Exclude File Masks:** File masks follow the syntax of the DOS dir command (e.g., \*.\*;\*.txt;\*.doc;\*.??1). You can specify more than one mask can be specified via a semicolon separator. Exclude masks use the ~ character to denote a mask NOT to search (e.g., \*.\*;~\*.swp;~\*.exe;~\*.dll). To specify a ~ as part of the file mask, use \~ (e.g, \*.\*;\~\*.tmp). For more information, [File Masks](#).

**Start a replace (registered version only):** Enter (or select from combo boxes) a search string, a replace string, one or more file masks and a path. Then click Search & Replace. For more information see [Search and Replace for Windows Main dialog](#).

**Change Options:** Click the Options button or select Options from the View menu on the menu bar. Among the options you can change are the colors to use for display, how often to prompt during replaces, a file(or printer) to write the output to, number of items to save in the combo boxes, search filters, etc. See [Options](#) for more information.

**View the Context of a Search Result:** Double-click the Search Result or click the right (left for left-handers) mouse button and use the pop-up menu. The internal context viewer can display text files. However, Search and Replace can automatically view binary files using our external utility, HexView for Windows 95/NT. The registered version allows you to edit the file using the internal context viewer.

**Open a File Listed in Search Results :** To open the file using the associated program, double-click the "Processing file..." line in the Search Results or click the right (left for left-handers) mouse button and use the pop-up menu.

**Use Regular Expressions:** See [Regular Expression Support](#). Regular expressions are supported for Search and Replace (replacing allowed only in registered version).

**Use Scripts for Multiple Search and Replace strings or Paths:** You can save scripts containing multiple Search/Replace strings and/or paths and file masks to process. See the see [Script dialog](#) for more information.

**Use Command Line Parameters:** See [Command Line Parameters](#). For all practical purposes, only the Windows 95/NT version can be used from the command line.

**Find Files only:** Enter one or more file masks and a path. Do not enter a Search String (or blank it out). Then click Search. For more information see [Search and Replace for Windows main dialog](#).

**Touch Files:** Enter (or select from combo boxes) one or more file masks and a path. You will be prompted for a date and time to use for all the files. See [Touch Files](#) for more information.



## Actions Menu

The Actions Menu on the Search and Replace toolbar has the following items:

**Search:** Select this to start a search.

**Search and Replace:** Select this to start a search and replace. We recommend that if you use this feature you also enter a backup path in the [Replace Options](#) dialog.

**Touch:** Select this item to touch the files found using the mask(s) provided in the specified directory. See [Touch Files](#) for more information.

**Exit:** Select this to exit Search and Replace.

## **Edit Menu**

The Edit Menu on the Search and Replace toolbar has the following item:

**Copy Search Results:** Select this to copy the Search Results (if any) to the clipboard. If the Search Results list contains nothing, this item is not available.

## View Menu

The View Menu on the Search and Replace toolbar has the following items:

**Open with Associated File:** Select to open the current file in the Search Results (if any) using the associated viewer. If no viewer is associated with that file extension, the default viewer, configurable in the [General Options](#) tab under Options, is used (default is NOTEPAD.EXE). The file to open is determined by the focus in the Search Results list, which is marked by a thin rectangle or a highlight. If the Search Results list contains nothing, this item is not available. If the file is in a ZIP file, it is extracted to a subdirectory of the path specified in the [Search Options](#) tab under Options. If you edit a file that was in a ZIP, you must update the original ZIP file using your ZIP utility since ZIP files are NOT automatically updated. Note: See [Product Information](#) for details about Directory Toolkit for Windows 95/NT, our multipurpose file and directory utility with built-in ZIP functions.

**Open with Default Viewer:** Select this to open the current file in the Search Results (if any) using the Search and Replace default viewer (configurable in the configurable in the [General Options](#) tab under Options). NOTEPAD.EXE is used if no default viewer has been defined. The file to open is determined by the focus in the Search Results list (marked by a thin rectangle or a highlight). If the Search Results list contains nothing, this item is not available. If the file is in a ZIP file, it is extracted to a subdirectory of the path specified in the [Search Options](#) tab. If you edit a file that was in a ZIP, you must update the original ZIP file using your ZIP utility since ZIP files are NOT automatically updated.

**Open with...:** Select this to open the current file in the Search Results (if any) using a viewer of your choice. A [Select Viewer dialog](#) allows you to select the viewer to use. The file to open is determined by the focus in the Search Results list, which is marked by a thin rectangle or a highlight. If the Search Results list contains nothing, this item is not available. If the file is in a ZIP file, it is extracted to a subdirectory of the path specified in the [Search Options](#) tab. If you edit a file that was in a ZIP, you must update the original ZIP file using your ZIP utility since ZIP files are NOT automatically updated.

**View Context:** Select this to view the current line in the Search Results (if any) and several lines before and after it using the Search and Replace internal context viewer. The file to open is determined by the focus in the Search Results list, which is marked by a thin rectangle or a highlight. If the Search Results list contains nothing or if you have the focus on a file line, this item is not available. Note that the Search and Replace context viewer displays text only. Search and Replace will, however, automatically detect binary files and will launch our freeware application, HexView for Windows 95/NT, in order to view the context of binary files. See [Product Information](#) for details on HexView. Finally, note that if the results context is a file inside a ZIP file, it is extracted to a subdirectory of the path specified in the [Search Options](#) tab. If you edit it, you must then update the original ZIP file using your ZIP utility since ZIP files are NOT automatically updated. See the [View Context dialog](#) for more information about viewing the context of search finds.

**Script:** Select this item to display the [Script Editor](#).

**Options:** Select this item to display the [Options dialog](#).

## Search and Replace for Windows Main Window

Note: See [Graphic Overview of the Search and Replace Main Window](#) for more information.

Search and Replace for Windows allows you to search (and replace with another string if you wish) for a given string in a set of files on a path you specify. You can also use Search and Replace as a file finder by leaving the Search string blank and entering a [file mask](#) & path. The main window is sizable, maximizable and minimizable for your convenience. The found strings and the files they are found in are clearly displayed in a list box using a customizable color (see [General Options](#)).

**Search String field:** Enter the string to search for in this field or select a previous search string from the combo list (▼). Your last few search strings are saved for you and you can find them in the combo list. The number of items saved in the combo lists is configurable in [General Options](#). If you do not enter a Search String, the File Mask and Path fields will be used to execute a File Find, with the results displayed in the Search Results list.

**Search String Browse button (⋮):** Click this to use multiple lines or special characters in the Search field. The [Binary Mode dialog](#) will then be displayed to allow you to create the multiple line and/or special character Search Strings. When you are done creating the string, "Binary mode -->>" is displayed on the main dialog. To view the string later, click the ⋮ button again. Note that binary mode strings will not be shown on the main screen so you will need to use the browse button.

**Replace String field:** Enter the string to replace the search string with in this field or select a previous replace string from the combo list (▼).

**Replace String Browse button (⋮):** Click to use multiple lines or special characters for the Replace field. The [Binary Mode dialog](#) will be displayed to allow you to create the multiple line and/or special character Replace String. When you are done creating the string "Binary mode -->>" is displayed on the main dialog. To view the string later, click the button again (it cannot be shown on the main screen).

**File Mask field:** One or more include &/or exclude search masks for search files. If you have "Search ZIP Files" turned on, the mask will be applied to files inside of ZIPs as well as ordinary files in the path specified in the path field. The masks are those used in the DOS dir command (e.g., \*.\*;.txt;.doc;.??1). More than one mask can be specified by using a semicolon separator (see example above). Exclude masks use the ~ character to denote a mask NOT to search (e.g., \*.\*;~\*.swp;~\*.exe;~\*.dll). To specify a ~ as part of the file mask, use \~ (e.g., \*.\*;\~\*.tmp). Your last few search file masks are saved for you by the application and you can find them in the combo box list (▼). See [File Masks](#) for more information.

**Path field:** Enter the path where files to search reside. You may type it by hand, navigate to it by using the Browse button, or select a previously used path from the combo list (▼).

**Path Browse button (⋮):** Click to select the path where files to search reside. The [Select Path dialog](#) will be displayed to allow you to visually select the path. If the Path field (described above) contains a valid path, it will be your starting path in the Select Path dialog. Otherwise, the current path will be used.

**Case sensitive field:** Check this field if you want the search to be case sensitive. Uncheck it if you want to search regardless of case.

**Search subdirectories field:** Check this field if you want to search all subdirectories of your path.

Note that this will usually slow your search down. Uncheck it if you just want to search the specified path.

**Match Whole Word:** Check this field if you want to look for the exact word or phrase specified, meaning, enclosed by whitespace. For example, if this option is on and you look for "Window", the program will find it in the phrase "...use the **Window** menu..." but not in the phrase "...Windows 95...". If this option is not checked, both occurrences will be found.

**Regular Expression field:** Check this field if you want to use a regular expression. Case sensitive and binary mode can be used in conjunction with this type of search. When regular expression is enabled, the Match Whole Word function is not available. See [Regular Expression Support](#) for details on the syntax supported.

**Search Results List:** Your search results are displayed there. The file name and the strings found are displayed in different colors (if you cannot see them, try changing the colors from the Options dialog). By double clicking on a line where a search string is displayed, you can either display the [View Context screen](#) or Shell the executable associated with it (in File Manager). You can also use the right mouse button to display a menu or use the Ctrl+C key to copy the list box contents to the Clipboard.

**Search button:** Click this button to start a search.

**Search and Replace button:** Click this button to start a search and replace. We recommend that if you use this feature you also enter a backup path in the Options dialog (see [Replace Options](#)).

**Options button:** Click this button to display the [Options dialog](#).

**Script button:** Click this button to activate the [Script Editor](#).

**Touch button:** Click this button to touch the files found using the mask(s) provided in the specified directory (See [Touch Files](#)).

**About button:** Click this button to view system information, [Ordering Information](#), and licensing information.

**Exit button:** Click this button to exit the application.



## Options Dialogs

Options are set from the View Menu or from the Options button on the main screen. They are separated into 5 categories, which you can activate by clicking the tabs at the top of the top of the options dialogs.

A Graphic view of the options dialogs is available. For non-graphic help on the options categories, pick one of the topics below:

General Options: Number of items to save in the drop down lists; View context fonts & # of lines; Display colors; Default file association.

Search Options: Maximum regular expression size; ZIP search enable/disable; Unzip temporary directory.

Replace Options: Backup file path definition & write enable/disable; Replace prompts.

Output Options: Hit line display options; Write output file definition; Characters to demark search finds.

Filter Options: Exclude files by date &/or size.

## General Options

A [graphic view of General Options](#) is available. Also see [Search Options](#), [Replace Options](#), & [Output Options](#) & [Filter Options](#) for information on other settings.

**Number of items to save:** Select the maximum number of items to save in the Search String, Replace String, Mask, and Path drop down combo list boxes, which are activated by clicking on the ▼ icons next to the input fields in the main screen.

**Number of lines to view:** Select the number of items to view before and after the search results hit line in the [View Context dialog](#).

**Found Color Button:** Choose this button to display the [Color dialog](#), which you then use to select a new color for the found strings in the list.

**File Color Button:** Choose this button to display the [Color dialog](#) to select a new color for the file names where the strings were found.

**If no association use:** Enter a file name for the default viewer (to be used when a file has no association). You may also use the Browse button (...) to select a default viewer, in which case you will see [Select Viewer dialog](#).

**View Context Font Button:** Choose this button to display the [Font dialog](#) to select a new font for the [View Context dialog](#).

**OK button:** The changes will be made and the options dialog will close.

**Cancel button:** The changes will not be made.

**Apply Button:** The changes will be implemented and the dialog will remain open.

## Search Options

A [graphic view of Search Options](#) is available. Also see [General Options](#), [Replace Options](#), [Output Options](#), & [Filter Options](#) for information on other settings.

**Maximum Regular Expression Size:** Enter the maximum number of bytes to allow for searching for a regular expression (such as \*). The maximum allowed is 4096 (4K). See [Regular Expression Support](#) for more details.

**Unzip files to:** Enter a path where the contents of ZIP files will be temporarily extracted for Searching if you have "Search ZIP files" turned on (see [Search and Replace Main Window](#)). The default is the temporary directory defined by your computer's operating system, typically "Windows\Temp". Subdirectories will be created and removed as needed under the specified path.

**OK button:** The changes will be made and the options dialog will close.

**Cancel button:** The changes will not be made.

**Apply Button:** The changes will be implemented and the dialog will remain open.

## Replace Options

A [graphic view of Replace Options](#) is available. Also see [General Options](#), [Search Options](#), [Output Options](#), & [Filter Options](#) for information on other settings.

**Backup File Path:** Select a backup path if you want your old files backed up. You may also use the Browse button (⋮) to select a path, in which case you will see the [Select Path dialog](#). The directory tree will be created if needed during the Replace operation (if Search Subdirectories was checked).

**Write Files to Backup Path:** Check this box if you want to write the changed files to the backup directory. Also specify a Backup Directory. The directory tree will be created if needed during the Replace operation (if Search Subdirectories was checked). Note that if you check this, the files changes during a replace

**Search and Replace group:** Select "Prompt On All" to get a prompt on every string to be replaced in every file. Select "Prompts on Each File" to get a prompt for all occurrences in each file. (If you use this option, you may not realize exactly the context of every string you replace). Select "No Prompts" to not get any prompts at all for all replaces. (If you use this option, you may not realize exactly the context of every string you replace or which files you replace them in until after the operation is finished).

**OK button:** The changes will be made and the options dialog will close.

**Cancel button:** The changes will not be made.

**Apply Button:** The changes will be implemented and the dialog will remain open.

## Output Options

A [graphic view of Output Options](#) is available. Also see [General Options](#), [Search Options](#), [Replace Options](#), & [Filter Options](#) for information on other settings.

**Hit Line Display:** When checked -

- **Display Files Without Hits** will cause the display to list the filenames where **no** occurrences of the search string were found. Note that if this is the only box checked, the display will not list files where the search string is present.
- **Display First Hit Line** will cause the display to list the filenames and the highlighted context of where the search string was found. If you are searching across multiple lines, the first line will be displayed. Note that if this is the only box checked, you'll only get feedback from files where the search string was found.
- **Display Replace String** will cause the display to list the filenames, replacements, and total counts for all replacements. Note that if this is the only box checked, you won't see the context of each replacement. Check "Display First Hit Line" if you want to see the full replace contexts.
- **Display Number of Hits in File** list the filename(s) and number of times the search string was found in that file. Note that if "Display First Hit Line" is not checked, the only thing listed will be the number of hits. Select this if you only want to know how many hits were found in each file.

**Show Output to File and Browse button:** Enter a file name for a file where the list output will be directed. If this field is blank, no file is produced. If no path is specified, the current directory is used. You may also use the Browse button (⋮) to activate a [File Save As dialog](#) that you may use to select a subdirectory &/or specific file. The default suggestion for this File Save As dialog is the file "Results.txt." However, you are free to use any filename. Note that what is written to this file is the same information presented in the Search & Replace results display. Therefore, to adjust the output, make selections in the "Hit Line Display" checkboxes.

**Before Hit:** You can change the string displayed before hits in clipboard dump or in the Output File. If you do not want anything displayed, blank out this field.

**After Hit:** You can change the string displayed after hits in clipboard dump or in the Output File. If you do not want anything displayed, blank out this field.

**OK button:** The changes will be made and the options dialog will close.

**Cancel button:** The changes will not be made.

**Apply Button:** The changes will be implemented and the dialog will remain open.

## Filter Options

A [graphic view of Filter Options](#) is available. Also see [General Options](#), [Search Options](#), [Replace Options](#), & [Output Options](#) for information on other settings.

**Exclude File(s) by Date:** The "Before Date" will exclude all files whose date stamp precedes the date entered and the "After Date" will exclude all files whose date stamp falls after the date entered. You may enter dates in one or both input areas. By combining settings, you can limit search (& replace) operations to files whose time stamp falls in a specific range. For example, to process only files that were last modified in April 1997, you would enter a "Before Date" of 3/30/97 and an "After Date" of 6/1/97. You can also combine date exclusions with a single entry in one of the exclude by size fields.

**Exclude File(s) by Size:** The "Less Than" field will exclude all files whose size is smaller than the value entered and the "Greater Than" excludes files whose size is larger than the value specified. Size units may take the form of # of bytes or whole K, KB, or M values, e.g., 100K, 100KB, 1M, 4M. You should not enter fractional values when using K, KB, M quantities. **Note:** You can enter values in only one "Exclude By Size" field at a time, meaning, if you enter a value in one, the other must be blank. However, Exclude By Size can be combined with Exclude By Date settings. For example, to limit your search (& replace) to files smaller than 8000 bytes modified sometime in April 1997, enter a "Before Date" of 3/30/97, an "After Date" of 6/1/97, and a "Greater Than" value of 8000.

## Script Dialog

The Script dialog allows you to create and edit Search and Replace scripts. You can use a script to specify multiple search/replace combinations for processing, to save a particular Search or Replace string for later use, or to process multiple drives/directories and/or file masks. You can override the Search and Replace strings in the main dialog and still use the Masks and Paths, or you can override anything but the list of paths, or only use the Search/Replace list on a path and mask specified in the main window. The scripts are stored in ASCII text format so that they can be edited or printed with any text editor. To convert scripts created with earlier versions of the program, load them and then save them using the same name.

The script editor consists of three main components: Multiple Search & Replace Strings, Multiple Paths & Filemasks, and Script File Operations. A graphic view of the Script Editor is also available. Select the topics below for additional details.

[Graphic Overview of the Script Editor](#)

[Multiple Search and Replace Items in Scripts](#)

[Multiple Paths and File Masks Items in Scripts](#)

[Script File Operations](#)

[Format of Script Files](#)

### **Please note:**

- You can enter Search strings only, both Search and Replace strings, Path and mask strings only, or all the fields in a script. You can also override some of the values from the main window by entering new Search and Replace strings or new Path and Mask strings. As new versions come out, more functionality will be added in this area.
- When a script is active, the Search, Replace, File Mask, and Path fields in the Search and Replace main window will change to reflect the script in use. For example, given a script named, *example.srs*, which only has settings for a search string, the Search field in the main window will change to read "Use Script file: *d:\example.srs*". If *example.srs* also involves a replace string and a file mask, the Replace and File Mask fields will also change to read, "Use Script file: *d:\example.srs*".

## Script Editor: Multiple Search and Replace Items

Also see the [Graphic Overview of the Script Editor](#), [Multiple Paths and File Masks in Scripts](#), [Script File Operations](#), and [Format of Script Files](#) for further information on scripts.

**Search String field:** Enter the string to search for in this field. Selecting a row in the Search/Replace List will display the information for that row and allow you to edit it. When you are done with this field, the Replace string and the Case Sensitive, Regular Expression and Match Whole Word settings, you can click Apply to save the information.

**Search String Binary Mode button (☰):** Click this to activate the [Binary Mode dialog](#). You can use the Binary Mode dialog to create searches that span multiple lines or to insert special characters for the Search field. When you are done creating the string, "Binary mode -->>", is displayed in the search string area. If you want to double check your entry or make changes, click the button again.

**Replace String field:** Enter the string to search for in this field. Selecting a row in the Search/Replace List will display the information for that row and allow you to edit it. When you are done with this field, the Search string and the Case Sensitive, Regular Expression and Match Whole Word settings, you can click Apply to save the information.

**Replace String Binary Mode button (☰):** The operation here parallels the Search String binary mode editor. Click to use multiple lines or special characters in the Replace field. The [Binary Mode dialog](#) will be displayed to allow you to create the multiple line and/or special character Replace String. When you are done creating the string, "Binary mode -->>" is displayed. To view the string later, click the button again.

**Case Sensitive field:** Check this if you want the search to be case sensitive. Uncheck it if you want to search regardless of case. To save the information for the current row when you are done, click Apply (in the same group).

**Match Whole Word:** Check this field if you want to look for the exact word or phrase specified (enclosed by whitespace). For example, if this option is on and you look for Window, the program will find it in the phrase ...use the **Window** menu... but not in the phrase ...Windows 95.... If this option is not checked, both occurrences will be found. To save the information for the current row when you are done, click Apply (in the same group). Note that this field will be not be available if Regular Expressions are turned on.

**Regular Expression field:** Check this field if you want to use a regular expression. Case sensitive and binary mode can be used in conjunction with this type of search. See [Regular Expressions](#) for more information on the syntax supported. To save the information for the current row when you are done, click Apply (in the same group).

**Apply button for Search/Replace List:** Click this button to save the information for the currently selected row.

**Remove button for Search/Replace List:** Click this button to delete the information for the currently selected row.

**Remove All button for Search/Replace List:** Click this button to remove all the Search/Replace rows (to start a new script for example).

**Move Up button for Search/Replace List:** Click this button to move the information for the currently selected row up by one row.



**Move Down button for Search/Replace List:** Click this button to move the information for the currently selected row down by one row.

**Insert button for Search/Replace List:** Click this button to insert a new Search/Replace row above the currently selected row.

## Script Editor: Multiple Paths and File Masks

Also see the [Graphic Overview of the Script Editor](#), [Multiple Search and Replace Items in Scripts](#), [Script File Operations](#), and [Format of Script Files](#) for further information on scripts.

**File Mask field:** One or more include &/or exclude search masks for search files. The masks are those used in the DOS dir command (e.g., \*.\*;\*.txt;\*.doc;\*.??1). More than one mask can be specified by using a semicolon separator (see example above). Exclude masks use the ~ character to denote a mask NOT to search (e.g., \*.\*;~\*.swp;~\*.exe;~\*.dll). To specify a ~ as part of the file mask, use \~ (ie \*.\*;\~\*.tmp). To save the information for the current row when you are done, click Apply (in the same group). (See [File Masks](#) for more information on using defining masks.)

**Path field:** Path where files to search reside. You may type it by hand, navigate to it by using the Browse button below. To save the information for the current row when you are done, click Apply (in the same group).

**Path Browse button (⋮):** Click to select the path where files to search reside. The [Select Path dialog](#) will be displayed to allow you to visually select the path. If the Path field (described above) contains a valid path, it will be your starting path in the path browser. Otherwise, the current path will be used. To save the information for the current row when you are done, click Apply (in the same group).

**Path/Mask List:** The items currently saved in this script are displayed. To change a specific row, select it in this list. The information for the row will then be displayed and you can then modify or delete it as you wish.

**Apply button for Path/Mask List:** Click this button to save the information for the currently selected row.

**Remove button for Path/Mask List:** Click this button to delete the information for the currently selected row.

**Remove All button for Path/Mask List:** Click this button to remove all the Path/Mask rows (to start a new script for example).

**Move Up button for Path/Mask List:** Click this button to move the information for the currently selected row up by one row.

**Move Down button for Path/Mask List:** Click this button to move the information for the currently selected row down by one row.

**Insert button for Path/Mask List:** Click this button to insert a new Path/Mask row above the currently selected row.

## Script Editor: Script File Operations

**Save As button:** Click this button to save the created/modified script to disk.

**Load button:** Click this button to load a script from disk for editing or using Search, Search and Replace, Touch or File Find.

**Use Script button:** Click this button to use the script for Search, Search and Replace, Touch or File Find. You can override several of the script settings in the main window (see [Scripts](#) for details).

**Cancel button:** Exits the dialog without using the script settings. If you made changes to a script, you are asked whether you want to save the information.

## Script Editor: Format of Script Files

Also see the [Graphic Overview of the Script Editor](#), [Multiple Search and Replace Items in Scripts](#), and [Multiple Paths and File Masks Items in Scripts](#) for further information.

**Format of the Script file:** Scripts are saved as ASCII files. The safest way to create a valid script is to use the Script dialog, then to edit the resulting file and perhaps to cut and paste to add new steps. A simple script file looks like this:

```
[Script for Search and
Replace]
[Search]
String to Search for number 1
[Replace /b]
String to Replace with number
1
[Search /bix]
String to Search for number 2
[Replace]
String to Replace with number
2
[Path]
c:\*.ini
[Path]
d:\work\*.txt
[End of Search and Replace
Script]
```

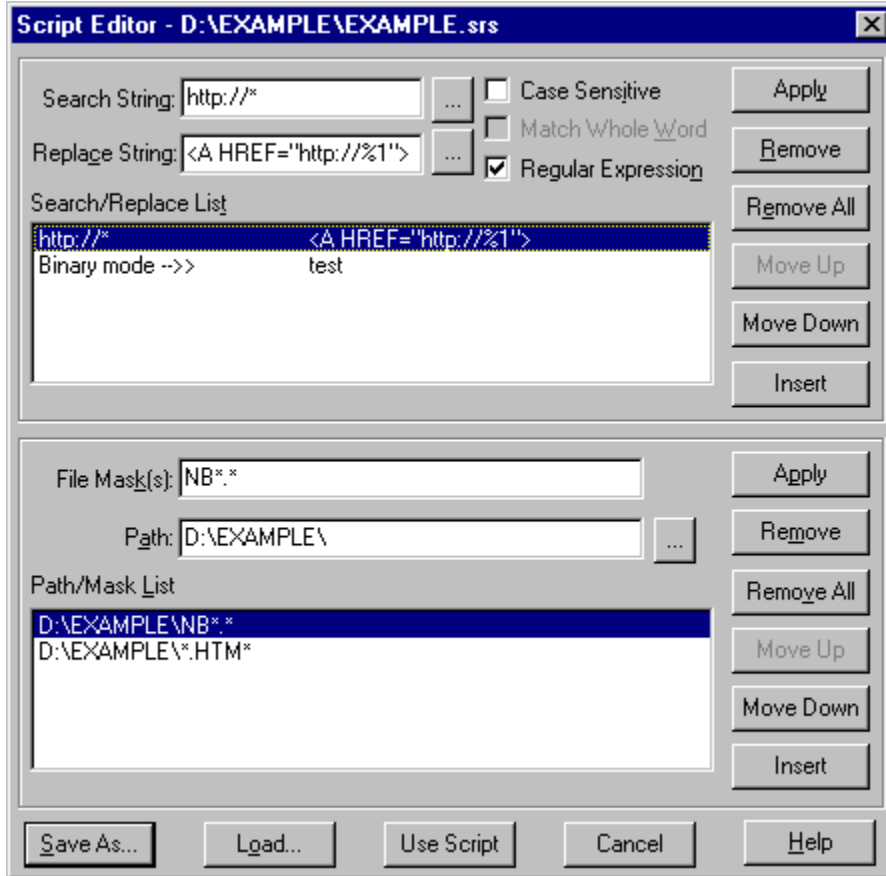
### Some Important Notes Regarding Scripts:


- ... The following tags must be at the beginning and end of the script: **[Script for Search and Replace]** and **[End of Search and Replace Script]**.
- ... Search strings can be entered on the next line after a **[Search]** tag. To enter the Regular Expression, Case Sensitive off (or Insensitive), Whole Word Only and Binary Mode, you must use the /x /i /w /b flags respectively (see above). The flags are case insensitive. This is similar to the flags for [Command Line Parameters](#).
- ... Replace strings can be entered on the next line after a **[Replace]** tag. You can only use the /b flag for Binary Mode with this tag (see above) since all other tags are specified on the Search field.
- ... Path and mask strings can be entered on the next line after a **[Path]** tag. No flags can be used with this tag. The mask string must be entered right after the path string and a \ character is expected between them. For example c:\\*.ini will use Path C:\ and Mask \*.ini. If you turn on the Search Subdirectories box on the main window, all INI files on the C: drive will then be processed.
- ... **Please note:** You can enter Search strings only, both Search and Replace strings, Path and mask strings only, or all the fields in a script. You can also override some of the values from the main window by entering new Search and Replace strings or new Path and Mask strings. As new versions come out, more functionality will be added in this area.
- ... When a script is active, the Search, Replace, File Mask, and Path fields in the Search and Replace main window will change to reflect the script in use. For example, given a script named, *example.srs*, which only has settings for a search string, the Search field in the main window will change to read "Use Script file: d:\example.srs". If *example.srs* also involved a replace string and a file mask, the Replace

and File Mask fields would also change to read, "*Use Script file: d:\example.srs*".


## Script Editor Graphic View

Note: Also see [Multiple Search and Replace Items in Scripts](#), [Multiple Paths and File Masks Items in Scripts](#), [Script File Operations](#), and [Format of Script Files](#).



**Search String:** Enter the string to search for in this field. Selecting a row in the Search/Replace List will display the information for that row and allow you to edit it. To create Binary Mode search, activate the Binary Mode dialog via the  button. If you create a Binary search, the string, "Binary mode -->>", is displayed in the search string area. When you are done with this field, the Replace string, the Case Sensitive, Match Whole Word, & Regular Expression settings, click on the Search/Replace Apply Button to save the information to your script.

Note that in the current example, the highlighted Search/Replace list row makes use of Regular Expression search using the \* operator.

**Replace String:** Enter replacement string in this field. Selecting a row in the Search/Replace List will display the Search and Replace strings for that row and allow you to edit it. To create Binary Mode replacements, activate the Binary Mode dialog via the  button. If you create a Binary replacement, the string, "Binary mode -->", is displayed in the replace string area. When you are done with this field, the Replace string, the Case Sensitive, Match Whole Word, & Regular Expression settings, click on the Search/Replace Apply Button to save the information to your script.

Note that in the current example, the highlighted Search/Replace list row makes use of Regular Expression replacement using the %1 operator to include the search results yielded by the \* search operator (see the Search String) in the replacements.



**Search/Replace List:** The list of Search/Replace combinations established for the current script. Two assignments are listed here. To change an existing assignment, highlight it in the Search/Replace list, make changes to either the Search or Replace lines, and click on the Apply button. Note that as modeled in the example here, a binary operation is reflected by the phrase "Binary Mode ->>" for the second search string.

**Case Sensitive Field:** Check this if you want the search to be case sensitive. Uncheck it if you want to search regardless of case. To save the information for the current row when you are done, click the Search/Replace Apply Button.

**Match Whole Word Field:** Check this field if you want to look for the exact word or phrase specified (enclosed by whitespace). For example, if this option is on and you look for Window, the program will find it in the phrase ...use the **Window** menu... but not in the phrase ...Windows 95.... If this option is not checked, both occurrences will be found. To save the information for the current row when you are done, click the Apply Button. Note that as in the example here, Match Whole Word is not available when the Regular Expression field is checked.

**Regular Expression Field:** Check this field if you want to use a regular expression search &/or replacement. Case sensitive and binary mode can be used in conjunction with this type of search. See [Regular Expressions](#) for more information on the syntax supported. To save the information for the current row when you are done, click the Search/Replace Apply Button.

**Search/Replace Strings Binary Mode Buttons:** Click these buttons to activate the Binary Mode dialog for the respective Search or Replace strings. You can use the Binary Mode dialog to create searches that span multiple lines or to insert special characters for the Search field. When you are done creating the string, "Binary mode -->>", is displayed in the search string area. Note that to double check your entry or make changes, click the button again. Be sure to click the Search/Replace Apply Button to enter your changes into the current script.

**Search/Replace List Apply Button:** Click this button to save the information for the currently selected search/replace row.

**Search/Replace List Remove Button:** Click this button to delete the information for the currently selected search/replace row.

**Search/Replace List Remove All Button:** Click this button to remove all the existing Search/Replace combinations. For example, if you wanted to start a new script, remove all the current search/replace assignments by clicking here.



**Search/Replace List Move Up Button:** Click this button to move the information for the currently selected row up by one row.

**Search/Replace List Move Down Button:** Click this button to move the information for the currently selected row up by one row.

**Search/Replace List Insert Button:** Click this button to insert a new Search/Replace row above the currently selected row.

**File Mask field:** This is the file mask for the search/replace that is currently highlighted in the Search/Replace list (if any are present). The masks are those used in the DOS dir command (e.g., \*.\*;\*.txt;\*.doc;\*.??1). More than one mask can be specified by using a semicolon separator (see example above). Exclude masks use the ~ character to denote a mask NOT to search (e.g., \*.\*;~\*.swp;~\*.exe;~\*.dll). To specify a ~ as part of the file mask, use \~ (ie \*.\*;\~\*.tmp). To save the information for the current row when you are done, click Path/Mask Apply Button.

**Path field:** This is the path for the search/replace that is currently highlighted in the Search/Replace list (if any are present). You may type it by hand or navigate to it by using the Browse button below. Be sure to click on the File/Path Apply button to save your choice to the current script.

**Path/Mask Browse Button:** Click to here to select the path where files to search reside. The path browser browser will be displayed to allow you to visually select the path. If the Path field currently contains a valid path, it will be your starting path in the dialog. Otherwise, the current path will be used.

**Path/Mask List Apply Button:** Click this button to save the information for the currently selected row. If you are making a path/mask new assignment, be sure to click here to apply/add the assignment to the list.

**Path/Mask List Remove Button:** Click this button to delete the information for the currently selected row.



**Path/Mask List Remove All Button:** Click this button to remove all the Path/Mask rows. For example, if you wanted to start a new script, remove all the path/mask assignments by clicking here.

**Path/Mask List Move Up Button:** Click here button to move the information for the currently selected row in the Path/Mask list up by one row.

**Path/Mask List Move Down Button:** Click this button to move the information for the currently selected row down by one row.

**Path/Mask List Insert Button:** Click this to insert a new Search/Replace row above the currently selected row. Note that depending on the focus in the Search/Replace list area, clicking here may affect the Search/Replace list. If you want to insert an additional path and not disturb already established Search/Replacement/Path/Mask combos, first move the focus in the Search/Replace list off existing items by either: a) clicking the Search/Replace Insert button (the Insert button in the upper ½ of the Script Editor) to create a blank Search/Replace item or b) click anywhere in the Search/Replace List area below the last item in the list.

**Path/Mask List:** The list of path/mask combinations established for the current script. Two assignments are listed here. To change an existing assignment, highlight it in the path/mask list, make changes on the File Mask(s) or Path lines, and click on Apply.

**Save As Button:** Click this button to save the created/modified script to disk via a standard Save As dialog.

**Load Button:** Click this button to load a script from disk for use &/or editing.

**Use Script Button:** Click this button to use the script for Search, Search and Replace, Touch or File Find. You can override several of the script settings in the main window (see [Scripts](#) for details).



**Cancel Button:** Exits the dialog without using the script settings. If you made changes to a script, a confirmation box asks you whether you want to save the information.

**Help Button:** Activates the help topic for the Script Editor.

## Regular Expressions: Overview

You can use Regular Expressions for advanced searches, where the search string follows a rule and is not always exactly the same. Regular Expressions use "special character operators," which are symbols that control the search, and "an expression," which is a combination of characters and operators that specifies a pattern. Regular Expressions can be used in replacements and they can also make use of Binary Characters (see [Special Characters](#) and [Binary Mode Editor](#)). You should note that there are some differences between the operators for Regular Expression search strings and their counterpart replacement strings.

Search and Replace for Windows uses Regular Expressions that are a subset of the UNIX grep notation for Searching and DOS style Batch file input parameter notation, with some extensions for Replacing. Use of case sensitive flags and binary mode strings are also supported in conjunction with Regular Expressions. The major differences between the Search and Replace and egrep regular expressions are:

... . operator is not supported

... \*+?! operator must **precede** an expression enclosed by () or [] (such as \*[123] or +(Windows)).

Otherwise, the operator is assumed to match any/all characters from beginning of line or to the end of the line.

See [Regular Expression Search Operators](#) for details on conducting searches using regular expressions. This section includes details on the Match Operators, Sub-Expression Operators, and an example Complex Searches.

See [Regular Expression Replacement Operators](#) for details on using regular expressions in replacement operations, including an example Complex Search and Replacement.

Finally, see the section on [Regular Expression Examples](#) for some examples on using regular expressions in search and replacement operations.

## Regular Expression Search Operators

Described below are [Regular Expression Match Operators](#), [Sub-Expression Operators](#), [Special Literals](#), and [an example of a Complex Search](#) using Regular Expressions. This help section is long so be sure to scroll through it for all information.

See [Regular Expression Replacement Operators](#) and [Regular Expression Examples](#) for further information and example syntax.

### Important Notes:

... The following characters must be preceded by a \ character to be interpreted as a literal in a search using regular expressions:

- + \* ? ( ) [ ] \ | \$ ^ !

For example, to search for the \ character, you must use a double it (\\) in order for \ to be matched correctly when using Regular Expressions. The characters that must be preceded by a \ in order to be interpreted as literal characters are also described below. You should also note that the [regular expression replacement literals](#) involve a different set of characters.

... You may wish to increase the "Maximum Regular Expression Size" under [Search Options](#) if you have a regular expression search that involves [Binary Characters](#) and/or is very complex.

### Regular Expression Search - Match Operators

\* Zero or more expressions enclosed in () or can be used by itself (see below).

This operator is meant to be used around strings. Entering several expressions in a row containing \* should be carefully done to avoid overlapping characters which can produce unpredictable matches. A list of characters to match can be specified (Windows \*[0-9] will match Windows 95). E.g.,

**\*(is)** will match zero or more strings such as: **is, isis**.

This operator can also be used to match all characters between two strings,. E.g.,

**\*(is)** will match zero or more strings such as: **is, isis**.

**Note:** using the \* operator at the beginning of the line will match all characters from the start of the line and at the end, to the end of the line. You can match characters between two or more strings up to 4096 characters (4K) apart by specifying a range after the \* operator. E.g.,

**Windows\*[0-ÿ]95**

will match up to 4096 characters (across several lines) between Windows and 95.

+ One or more expressions enclosed in (). E.g.,

**+(is)** will match one or more strings such as: **is, isis**.

? Exactly one expression enclosed in () or any one character. E.g.,

**?(is)** will match the string **is** or **si**

This operator can also be used to match any character between two strings or before or after a string. This is the main use for this operator. E.g.,

**Win?95** will match **Win 1995, Win-95, Win/95** etc.

**Note:** Using ? operator by itself will match every character in a file one at a time and should be avoided.

- ! Does not match if the expression is found. E.g.,  
**!(a-c)at** will match the string **mat**, **rat** or **fat** but not *bat* or *cat*.  
 Another use is to look for a string that doesn't contain an expression. E.g.,  
**!(Windows)95** will find **95** in **1995** but not in *Windows 95*
- ^ An expression that starts at the beginning of a line. E.g.,  
**^the** finds **the** at the beginning of a line and **The** if case sensitive is turned off.
- \$ An expression that ends at the end of a line. E.g.,  
**end\$** finds **end** when it's the last string on a line.

### Regular Expression Search - Sub-Expression Operators

[ ] When entered alone, will match all characters and span across one or more lines up to the number of characters under Maximum Regular Expression Size (Search Options). Alternatively, one or more character(s) entered between the brackets will be matched. Ranges are allowed by using the a-z notation. The [ ] operator can be used after a ?\* + operator to modify the range matched by that operator. E.g.,

**t[ ]e** will match: **This is line**, **ttp://www.e**,  
**H[ ]d** will match across two lines: **"Hello (cr -lf) World"**  
**\*[0-9]** will match: **234907**, **5795**, or an empty string.  
**[niewW]** will match one or more strings such as: Win, new, win.  
**[a-z]** will match any lower case strings if case sensitive and any words if not case sensitive.

**Note:** You can also enter **[a-zA-Z0-9\ -\_]** i.e., multiple ranges and the - character itself preceded by a \.

( ) Denotes one or more sub-expression. You can specify matching an expression or another by using the | operator. E.g.,

**Win(95|dows)95** will match strings such as: **Windows 95**  
 and **Win 95**.

+ n Denotes the number of columns to match either before or after an expression. Use in combination with other sub-expression operators. A range can be specified, E.g.,

**+4[ ]w** will match **"llo W"** and **"Use W"** in the strings "Hello World" and "Use Windows"

**[ ]+5-15[0-9]** will match **"100.01"**, **"123.9"**, & **"543.21"** in:

Data1	100.01	Somethin'
Dat2	123.9	Nuthin'
Dataa3	543.21	and junk

### Regular Expression Search - Special Literal Characters

- + \* ? ( ) [ ] \ | \$ ^ ! If you wish to search for any of these characters, they must be preceded by the \ character to be interpreted as a literal in a search.

### Complex Searches Using Regular Expressions

The above mentioned operators can be combined to produce searches such as:

```
?include (<|\|)[a-z0-9_].h*(p)+[>]
```

Will match:

```
#include [stdafx.h]
```

```
#include <dos.h>
```

```
#include [my_include.hpp]
```

```
#include [sr32.h]
```

etc.

## Regular Expression Replacement Operators

The operators matches can be replaced with nothing (removed), the case of the text matched can be changed or they can be left intact. All operators may match some strings and therefore all should be accounted for in the replace expression.

See [Regular Expression Search Operators](#) and [Regular Expression Examples](#) for further information and example syntax.

### Important Notes:

... The following special replacement characters must be preceded by a \ to be interpreted as a literal in a replace:

`% \ < >`

For example, to replace the \ character in a regular expression search & replacement, you must double it (\\). The characters that must be preceded by a \ in order to be interpreted as literal characters are also described below. You should also note that the [regular expression search literals](#) involve a different set of characters.

... For all the replace operations, you can see the result of the operation by making sure that in the "Prompt on All" radio button is selected under [Replace Options](#).

... You may wish to increase the "Maximum Regular Expression Size" under [Search Options](#) if you have a regular expression search that involves [Binary Characters](#) and/or is very complex.

### Regular Expression Replacement Match Operators

**%n** %1 will use the first expression in the search string. For example,  
given the search string: `?include (<|\|)[a-z0-9_].h*(p)+[\]>`  
and the replace string: `%1exclude [%3>.H%4>`

The results might be:

<code>#include [stdafx.h]</code>	<code>=&gt;</code>	<code>#exclude [STDAFX.H]</code>
<code>#include &lt;dos.h&gt;</code>	<code>=&gt;</code>	<code>#exclude [DOS.H]</code>
<code>#include [my_include.hpp]</code>	<code>=&gt;</code>	<code>#exclude [MY_INCLUDE.HPP]</code>
<code>#include [sr32.h]</code>	<code>=&gt;</code>	<code>#exclude [SR32.H]</code>

Note that in this example:

`%1` - ?  
`%2` - (<|\|)  
`%3` - [a-z0-9\_]  
`%4` - \*(p)  
`%5` - +[\]>

These parameters can be used several times, omitted or used in any order.

- < Make lower case operator. To be used in conjunction with %n: %1< will replace the original first matched expression with its lower case version.
- > Make upper case operator. To be used in conjunction with %n: %1> will replace the original first matched expression with its upper case version.

### Special Regular Expression Replacement Characters (Literals)

`% \ < >` If you wish to replace any of these characters, they must be preceded by the \ character to be interpreted as a literal in a replacement.

## Regular Expression Replacement Literals

% \ < > must be preceded by the \ character to be interpreted as literals in a regular expression replacement.



## Regular Expression Search Literals

- + \* ? ( ) [ ] \ | \$ ^ ! must be preceded by the \ character to be interpreted as literals in a regular expression search.

## Regular Expression Examples Overview

**Note:** For all the replace operations, you can see the result of the operation by making sure that in the "Prompt on All" radio button is selected under [Replace Options](#).

Three sets of examples are available:

[Some Basic Regular Expression Search Examples](#)


[Additional Regular Expression Search Examples](#)

[Search and Replace Regular Expression Examples](#)

You should also review the help sections on [Regular Expression Search Operators](#) and [Regular Expression Replacement Operators](#) for further examples.

## Some Basic Regular Expression Search Examples

Below are some basic examples of regular expression operators and their outcomes. Also see [Additional Regular Expression Search Examples](#) and the section on [Search and Replace Regular Expression Examples](#) for other models.

<u>What to Match</u>	<u>Operator</u>	<u>Examples</u>
Any single character	?	<b>g?t</b> finds <b>get, got, gut</b>
Any string of characters (one or more)	+	<b>w+e</b> finds <b>wide, white, write</b> but not <i>we</i>
Any string of characters (or none)	*	<b>w*e</b> finds <b>wide, white, write</b> and <b>we</b>
One of the specified characters	[]	<b>g[eo]t</b> finds <b>get</b> and <b>got</b> but not <i>gut</i>
One of the characters in a range	[-]	<b>[b-p]at</b> finds <b>bat, cat, fat, hat, mat</b> but not <i>rat</i> or <i>sat</i>
All characters	[]	<b>i[]</b> finds <b>line, list, late</b> . Use [] instead of complicated range expression such as [a-zA-Z0-9]
One expression or another	( )	<b>W(in indows)</b> will find <b>Win</b> or <b>Windows</b>
One or more expressions	+()	<b>+(at)</b> will find <b>atat</b> in <i>catatonic</i> and <b>at</b> in <i>battle</i>
All characters (perhaps on different lines)	[]	<b>h[]d</b> finds " <b>helped</b> ", " <b>Hello World</b> ", and " <b>Hello</b> (cr lf) <b>Win95 World</b> ". Use [] instead of complicated range expression such as [a-zA-Z0-9]. This will span across lines up to the limit set by Maximum Regular Expression Size ( <a href="#">Search Options</a> ).
Two strings nearby (perhaps on different lines)	*[]	<b>the*[0-ÿ]first</b> will match " <b>the first</b> " and " <b>the</b> (cr lf) <b>very first</b> Note: see 'All Characters' ([]) above. This example is an older style syntax. Special characters are entered via the <a href="#">Binary Mode dialog</a> (the  button next to the Search and Replace Strings).
A string that doesn't start with an expression	!( <b>)</b>	<b>!(http):</b> will match <b>:</b> in " <i>following:</i> " but not in " <i>http://www.funduc.com</i> "
One of the characters not in a range	![-]	<b>[b-p]at</b> finds <b>bat, cat, fat, hat, mat</b> but not <i>rat</i> or <i>sat</i>
An expression at the beginning of a line	^	<b>^the</b> finds <b>the</b> at the beginning of a line and <b>The</b> if case sensitive is turned off.
An expression at the end of a line	\$	<b>end\$</b> finds <b>end</b> when it's the last string on a line.
One or more column(s) before or after a string	+n	<b>[h]+4//</b> finds <b>http://</b> but not <i>https://</i>



## Additional Regular Expression Search Examples

Below are some additional examples of regular expression search operations. Also see [Some Basic Regular Expression Search Examples](#) and the section on [Regular Expression Search and Replace Examples](#) for other models.

<b>Search String</b>	<b>Will Match</b>
L[] [on]	<b>line, list, lane, LogVar1</b> (when case sensitive is off) <b>non, no, on</b>
\[	[
+ [a-z]	<b>abcdefghijklmnopqrstuvwxy</b> Note: If used with Case Sensitive off, it will also match ABCDEFGHIJKLMNPOQRSTUVWXYZ
[a-zAÏÀ-ÿ]	matches the same as the example directly above (regardless of case sensitive flag) and also all other special characters for Western European languages. See the <a href="#">Binary Mode dialog</a> for the order of those characters in the ASCII table.
+(one two three)	<b>one, onetwo, twothree</b>
?(one two three)	<b>one,two,three</b>
Windows*[\0-ÿ]95	Will match up to 4096 characters (on several lines) between Windows and 95.
All * replaces	<b>all the replaces</b> (the * character matches all chars on the same line unless a [] expression overrides that - see above)
/**[\0-ÿ]*/	Will match C style comments on several lines if necessary (up to 4069 characters).
01*[0-9].htm	<b>01346.htm, 01.htm, 016965.htm</b>
*[ab]c	<b>c, abc, bac, abbc, bbac</b>

## Search and Replace Regular Expression Examples

Below are some examples of Regular Expression Replacement operations. For more example tactics using regular expression search operations, see the sections on [Some "How-To" Regular Expression Search Examples](#) and [Regular Expression Search Examples](#).

<b><u>Search String</u></b>	<b><u>Replace String</u></b>	<b><u>Effect</u></b>
*.*	%1>.%2>	c:\windows\win.ini => C:\WINDOWS\WIN.INI
+ [a-z]	%1>	Windows => WINDOWS
7*.htm	5%1.htm	711.htm => 511.htm 7days.htm => 5days.htm
[253]7[832].htm	%15%2.htm	3572.htm => 3552.htm
*[253]7[832].htm	%15%2.htm	72.htm => 52.htm
(homepage index).htm	%11.htm	homepage.htm => homepage1.htm index.htm => index1.htm
+(12)[0-9]	%1%2a	12532 => 12532a 1212753 => 1212753a
???(d m).htm	%1%2%3d1.htm	card.htm => card1.htm form.htm => form1.htm
back2.jpg[height="30"	back2.jpg%1height="32"	A multiline Search/Replace changing the height setting for 'back2.jpg' regardless of differing 'alt' text or how the html editor line breaks the code, e.g.,: src="images/back2.jpg" alt="Go Back" border="0" width="57" height="30" becomes: src="images/back2.jpg" alt="Go Back" border="0" width="57" height="32"
?(Windows)	OS/2	Windows => OS/2 (just kidding)

## Touch Files Dialog

"Touch" allows you to change the time & date stamp of a file. The steps are straightforward: 1) Enter (or select from combo boxes) one or more file masks and a path. 2) Select "Touch" from the Actions Menu or the Touch button. 3) The Touch dialog will prompt you for a date and time to use for all the files.

**Important Note:** Touch operates on **all** files described by the filemask and path. Touch does not distinguish files by the search or replace fields.

### Details on the Touch Dialog fields:

**Date field:** Select the date to be used (in format mm/dd/yy or mm/dd/yyyy).


**Time fields:** Select the time to be used (in format hh or hh:mm or hh:mm:ss) and AM or PM (do not use military time).

**OK button:** The dates and times will be set for all the files found using the file masks specified.

**Cancel button:** No files will be touched.

**Update button:** The date and time fields will be refreshed using the current date and time according to the PC's clock.

## Binary Mode Dialog

The binary mode dialog is activated by the  buttons next to the Search and Replace string fields in the main window and in the [Script Editor](#). This dialog is used to enter multiple lines for search and replace strings and binary characters (such as tabs, special characters, etc). See [Using Special Characters](#) for more details. To Search/Replace line feeds, use `\r\n` and for TAB characters, use `\t`. If you need to use the `\` character (e.g., in a path), you must double it (`\\`).

Note that you may wish to increase the "Maximum Regular Expression Size" under [Search Options](#) if you have a regular expression search involving binary characters that is complex or spans many characters. In particular, for multi-line searches, you may wish to increase the value.

**Search/Replace Block field:** You can type, paste (using paste button or Ctrl+V) text already in the Clipboard or use the Binary Codes list (below) to add characters to this field. Note that you can perform the usual editing operations in this field by using the keyboard as follows:

- Copy - Ctrl+C
- Paste - Ctrl+V
- Undo - Ctrl+Z (last operation only)

**Special Operations group (Search field only):** You can instruct Search and Replace to prepend (add to the beginning of the file) or append (add at the end of the file) a block of text to each file processed or to simply use the Search String entered. You can confirm replacing the same way you can with regular search strings.

**Binary Codes fields:** This List allows you to add special characters to the Search/Replace field by either double-clicking or selecting an item and then clicking the Add Code button

**Add Code button:** The Binary Code specified will be added to the Search/Replace Block field.

**OK button:** The Search/Replace field will be used as specified.


**Cancel button:** No changes are made.

**Paste Text:** The text currently in the clipboard is pasted in the Search/Replace Block field. If anything is selected in the Search/Replace field, the selection will be replaced by the text pasted. If no text is in the clipboard, nothing will happen.

**Double all \s button:** The `\` character is used to input special (binary) characters. To use a `\` character (for example in a path), you must enter it as `\\`. This button will facilitate that by parsing the current text entered in the Search/Replace block field and changing all `\s` to `\\`.



## Using Special Characters

You can process (either Search for or Search and Replace) binary characters, line feeds (in DOS CR LF combinations - `\r\n`), tabs, etc by using the [Binary Mode dialog](#) which is available from the  buttons next to the Search and Replace String fields in the main window and the [Script Editor](#).

The most important special characters are `\r\n` (the DOS linefeed sequence), `\r` (the MAC linefeed sequence), `\n` (the UNIX linefeed sequence), `\t` (the TAB character) and `\\` (note the `\` characters MUST be doubled for the parser to work correctly). Since you can use the [Binary Mode dialog](#) with Regular Expressions, see the [Regular Expression Support](#) for additional special characters.

Here is the list of Special characters:

<u>Representation</u>	<u>Description</u>
<code>\0x00</code>	Character 0
<code>\0x01</code>	Character 1
<code>\0x02</code>	Character 2
<code>\0x03</code>	Character 3
<code>\0x04</code>	Character 4
<code>\0x05</code>	Character 5
<code>\0x06</code>	Character 6
<code>\a</code>	ASCII Bell characters
<code>\b</code>	ASCII Backspace character
<code>\t</code>	TAB
<code>\n</code>	Line Feed ( <a href="#">See Note</a> )
<code>\v</code>	Vertical TAB
<code>\f</code>	Form Feed
<code>\r</code>	Carriage Return ( <a href="#">See Note</a> )
<code>\0x0e</code>	Character 14
<code>\0x0f</code>	Character 15
<code>\0x10</code>	Character 16
<code>\0x11</code>	Character 17
<code>\0x12</code>	Character 18
<code>\0x13</code>	Character 19
<code>\0x14</code>	Character 20
<code>0x\15</code>	Character 21
<code>0x\16</code>	Character 22
<code>\0x17</code>	Character 23
<code>\0x18</code>	Character 24
<code>\0x19</code>	Character 25
<code>\0x1a</code>	Character 26
<code>\0x1b</code>	Character 27 (ESC char)
<code>\0x1c</code>	Character 28
<code>\0x1d</code>	Character 29
<code>\0x1e</code>	Character 30
<code>\0x1f</code>	Character 31 (space)
<code>!</code>	!
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**Note:** In DOS `\r\n` constitute a line feed while in UNIX `\n` alone is used.

## Command Line Parameters

For the Windows 95/NT version, command -line parameters can be used as follows:

/i	Case Insensitive (note that this option is the reverse of what the user interface shows). If not specified, Case Sensitive is assumed.
/x	Regular Expression. If not specified, it is assumed off.
/d	Search Subdirectories. If not specified, it is assumed off.
/w	Match Whole Word (ignored if Regular Expression is used). If not specified, it is assumed off.
/r	Perform a replace (to be used with Script see below).
/t	Perform a Touch on the files specified.
/sstring	Search String to use (automatically starts a Search). If the string contains spaces or / characters, enclose it in double quotes.
/pC:\*.ini;*.txt	Path to search with mask(s) appended after the \. If no path or masks are specified, the last program default is used.
/oresults.txt	Output file to send the search results to. If not specified, the last program default is used (this is specified in the <u>Options dialog</u> ).
/cscript.srs	Script file to use. If Replace or Touch is not specified(see above), a Search is performed.
/q	Quit after operation. Window will close after the operation is completed.

**Note:** The flags can be upper or lower case. The /i /x /d /w flags can be used separately or together in any order. Here are some examples:

```
SR32 /oc:\dump.txt /sWindows /pc:\windows\*.ini /id
```

```
SR32 /i /D /oc:\dump.txt /SWindows /pc:\windows\*.ini /id
```

## Replace Confirmation Dialog

This window allows several options for replacing the string found:

**Replace This button:** This occurrence of the found string will be replaced.

**Replace Rest In File button:** All occurrences of the found string in the file currently processed will be replaced.

**Replace Rest In Directory button:** All occurrences of the found string in the files in the current files directory will be replaced.

**Replace All Remaining button:** All occurrences of the found string in the file currently processed and the files processed after that will be replaced. No more prompts will be displayed until the end of the operation.

**Skip This button:** This occurrence of the found string will not be replaced.

**Skip Rest of File button:** All remaining occurrences of the found string in the file currently processed (including the current one) will not be replaced.

**Skip Rest In Directory button:** All occurrences of the found string in the files in the current files directory processed (including the current one) will not be replaced.

**Cancel Remaining button:** All occurrences of the found string in the file currently processed and the files processed after that will not be replaced.

**Found String List:** The list box containing the Search Results allows you to double-click an item to display the [View Context dialog](#) (if double-clicking on a line where the search string is displayed) or Shell the executable associated with it (in File Manager). You can also use the right mouse button to display a menu or use the Ctrl+C key to copy the list box contents to the Clipboard. To change the colors and many other options, click the Options button.



## **Search and Replace About Box**

This window contains system and copyright information. Click the Ordering Info button for [Ordering Information](#) or the License Info button for [License Information](#).

For customer support, contact [support@funduc.com](mailto:support@funduc.com).

Close



## Search and Replace for Windows

### Search and Replace

Version 2.85

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<http://www.funduc.com>

See [Ordering Information](#) for details on how to purchase Search and Replace for Windows or write us at [info@funduc.com](mailto:info@funduc.com). See [License Information](#) for details about licensing. For customer support, contact [support@funduc.com](mailto:support@funduc.com) or visit our web site at <http://www.funduc.com> for FAQs & program updates. Also check our web site for [product information](#), trialware & freeware downloads of our other award winning software products.

## FUNDUC SOFTWARE

### Product Information



#### Directory Toolkit for Windows 95/NT

**Directory Toolkit for Windows 95/NT**, now with ZIP functions, is an application that provides features missing from Windows 95 and Windows NT 4.0 or higher. A multipurpose file & directory handling utility, Directory Toolkit allows files in two directories to be compared, it provides file renaming, and it copies, moves and deletes multiple files using wildcards while preserving long file names (the DOS commands don't). It will display the differences in files via an internal file comparison viewer. It's fully integrated ZIP file operations allow you to create and update PKZIP compatible archives. You can compare (& update) the contents of two ZIP files and without needing to manually extract the ZIPs into temporary subdirectories. Directory Toolkit also Decodes and Encodes files, splits/concatenates files to/from diskettes, physically sorts directories, and will "Touch" files (change the time/date stamp). Directory Toolkit has Explorer compatible OLE drag and Drop, it will launch automatically on ZIP files, and it can open files and launch applications.

Directory Toolkit for Windows 95/NT has been a winner of the WUGNET® Best Choice Shareware award.



#### Search & Replace for Windows

**Search and Replace for Windows** is our award winning utility is loved by programmers, webmasters, and novice computer users alike. If you need to find and replace text, or just find text, this utility is a must have.

Search and Replace looks through multiple files (specified by one or more masks) for a string and can also replace it with another string. It can also search subdirectories and ZIP files and do case sensitive or insensitive searches. Replacing a string can be made one string at a time, one file at a time or all at once (no prompts). Some replaces may be skipped or all the rest of the occurrences can be replaced for the rest of a file.

Search and Replace has received awards from WUGNET (Windows User Group Net), - Pick of the Week for August 11 1996; Windows Magazine - Superior Shareware in the August 1996 issue; ZD-NET - rated 4 stars; TUCOWS - rated 5 Cows.



#### Patch Creator

**Patch Creator** is a application for creating your own patches for updating registered versions of your software with this GUI program. It can create 16 or 32 bit patches, require password or not compressed or not and is self-contained. Files on users' machines can be updated from a specific version, added regardless of existing version, removed or renamed. Ideal for distribution needs and for shareware authors. Demo version creates patches without passwords.

#### Decode/Encode DLLs

**Decode/Encode DLLs** integrate auto-decoding of UUENCODED, Base64(MIME), Binhex, XXENCODED, user table encoded and encoding(UUENCODED or Base64/MIME) in your Windows

3.1x, 95 or NT application. 16 and 32 bit DLLs are included, test programs are provided for C/C++ (MFC) and Visual Basic. One time fee provides a registered copy for royalty-free distribution with your applications and one year free customer support.



### **Decode Windows 95 Shell Extension (freeware)**

**Decode Shell Extension (v2.3)** now supports multiple attachments, multi-part files (already concatenated), XXENCODED and User (table) encoded files in addition to UUENCODED, Base64(MIME) and BinHex (Mac format) files.

Decode allows you to decode a UUENCODED, XXENCODED, BinHex or Base64(MIME) file by simply right-clicking on it in the Explorer and selecting Decode from the menu.



### **HexView for Windows 95/NT (freeware)**

**HexView** is a multiple document Hexadecimal viewer that can display, print, and print preview any file as a hex dump. It is intended as a supplement for Search and Replace for Windows, however, it is a standalone app and does not require Search and Replace.



### **INI to Registry (freeware)**

**INI to Registry** will load the contents of any INI file and transfer it into the Windows 95/NT registry. That way programs that previously used INI files can read the old data from the registry. The INI to Registry utility was originally developed to allow users of Search and Replace to upgrade to versions of the software greater than 2.41 (for Windows 95 and NT) without losing their history. The program code is available for purchase.

## **Confirmation Dialog**

This window allows you to confirm whether or not you want to perform an operation (such as replace Read-Only files). A Yes To All button allows you to avoid being prompted again. The Cancel button will Cancel the entire remaining replaces.

## View Context

This window allows you to view and edit (in the registered version) the lines around where the search string was found. To activate the View Context window, highlight a search string find in the Search Results area of the main window and then either double click or select View Context from the right click menu or the View Menu.

The number of lines displayed in View Context before and after the search string found is configurable under General Options.

Note that you can perform the usual editing operations in this field by using the keyboard as follows:

Copy - Ctrl+C

Paste - Ctrl+V

Undo - Ctrl+Z (last operation only)

**Save button:** The changes will be made (registered version only). If the file is in a ZIP file, it is extracted to a subdirectory of the path specified in Options. If you edit it, you must then update the ZIP file since it is NOT automatically updated.

**Cancel button:** The changes will not be made.

**Page Up button:** Displays the block of lines above the current block.

**Page Down button:** Displays the block of lines below the current block.

## FUNDUC SOFTWARE

### Purchasing & Ordering Search and Replace for Windows

As part of the registration, you will also receive free updates and customer support (by E-MAIL) for six months. Updates are sent to registered customers quarterly. They incorporate your suggestions so please send them. If you have problems receiving the program or need customer support, contact us directly by E-MAIL at support@funduc.com. Quantity discounts are listed on the WWW at: <http://www.funduc.com> and on the order forms below.

... **Credit Card Registration:** Several routes are available...

◆ **Secure Internet Transaction:** If you have a secure Web browser such as Netscape or Internet Explorer, you may register by credit card via a secure Web transaction from our web site at: <http://www.funduc.com>.

◆ **Fax Registration:** You may register using a credit card via fax. **Open and print the fax form** and fax the completed order to (813) 526-2924. You may also use edit and print the file ORDER.TXT in the Search and Replace subdirectory. The cost through this option is \$25/single user + \$3 to \$5 S&H if you want a diskette mailed. E-MAIL delivery is free. Please allow 7-10 days for postal orders to reach you, then contact us by E-MAIL at support@funduc.com if you did not receive the program. E-MAIL deliveries are sent within 2 business days. E-MAIL deliveries require that your mail system is able to receive MIME attachments.

◆ **Phone Registration:** You can call (800) 500-0326 or (352) 315-6330 to order using a credit card. The cost through this option is \$25/single user + \$3 to \$5 S&H if you want a diskette mailed (E-MAIL delivery is free). Please allow 7-10 days for postal mail to reach you, then contact us by E-MAIL at support@funduc.com if you did not receive the program. E-MAIL deliveries are sent within 2 business days. E-MAIL deliveries require that your mail system is able to receive MIME attachments.

... **Ordering by check:** Note that check orders are discounted at a base price of \$20 for a single user license (+\$3 - \$5 if you want a diskette mailed). To order by check, please **open and print the order form**. You may also edit and print the file ORDER.TXT in the Search and Replace subdirectory. Mail the completed form and a check to **Funduc Software Inc., P.O. Box 530904 Livonia, MI 48153**. Please allow 7-10 days for mail to reach you, then contact us by E-MAIL at support@funduc.com if you did not receive the program. **Payments must be in US dollars drawn on a US bank or international postal money order in US dollars.**

... **CompuServe Registration:** CompuServe subscribers may register by typing **GO SWREG** and using the Registration ID **7964**. The cost for CompuServe orders is **\$23/user** due to CompuServe charges. CompuServe orders are filled by E-MAIL within 24-48 hours, regardless of delivery method selected. Therefore, please check your CompuServe mail a day or two after placing your order.

## Search and Replace for Windows Mail Order

### FUNDUC SOFTWARE, Inc. Search and Replace for Windows Mail Order (Ver 2.85)

To place an order by mail, complete the form & a check and mail it to:

Funduc Software Inc.  
P.O. Box 530904  
Livonia, MI 48153

**Note:** Payments must be in US dollars drawn on a US bank or international postal money order in US dollars.

<u>License</u>	<u>* Price (\$US) *</u>	<u>Quantity</u>	<u>Amount</u>
1 to 9 computers	\$ 20.00	_____	\$ _____
10 to 24 computers	\$ 18.50	_____	\$ _____
25 to 49 computers	\$ 17.50	_____	\$ _____
50+ computers	\$ 15.00	_____	\$ _____

\* Note: Discount prices \*

Michigan residents add 6% sales tax \$ \_\_\_\_\_

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Mail 3.5 disk (overseas) \$5 S&H \$ \_\_\_\_\_

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**TOTAL PAYMENT** \$ \_\_\_\_\_

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**How did you find out about Search and Replace for Windows?**

**Comments:**





## **License Information**

### **Search and Replace for Windows**

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All rights reserved.

See [Ordering Information](#) for more information on how to purchase Search and Replace.

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Unregistered use of Search and Replace after the 21-day evaluation period is in violation of federal copyright laws.

### **Evaluation and Registration**

This is not free software. This license allows you to use this software for evaluation purposes without charge for a period of 21 days. If you use this software after the 21 day evaluation period a registration fee is due (see [Ordering Information](#)).

Customer support can be obtained by visiting our homepage at <http://www.funduc.com> or by E-MAIL ([support@funduc.com](mailto:support@funduc.com)).

One registered copy of Search and Replace may be dedicated to a single person who uses the software on one or more computers or to a single workstation used by multiple people.

You may access the registered version of Search and Replace through a network, provided that you have obtained individual licenses for the software covering all workstations that will access the software through the network.

### **Governing Law**

This agreement shall be governed by the laws of the State of Michigan.

### **Disclaimer of Warranty**

This software and the accompanying files are sold "as is" and without warranties as to performance of merchantability or any other warranties whether expressed or implied. In particular, there is no

warranty for the string Replacing feature.

Good data processing procedure dictates that any program be thoroughly tested with non-critical data before relying on it. The user must assume the entire risk of using the program. Any liability of the seller will be limited exclusively to product replacement or refund of purchase price.

## Customer Support Information

If you have a question that is not answered in the documentation, there is a FAQ (Frequently Asked Questions) document available on our Web site at: <http://www.funduc.com>. If you need further assistance, contact us directly by E-MAIL at [support@funduc.com](mailto:support@funduc.com). Please give as much detail as possible about the operation you want to perform (example lines before and after the replace operation, search and replace strings used, etc).

Registered users are eligible for support and quarterly updates for a period of six months.

Shareware Users: We will do our best to answer your questions, however, please be aware that ongoing support necessitates that you register Search and Replace.

To report a bug, E-MAIL: [bugs@funduc.com](mailto:bugs@funduc.com).

We welcome suggestions and ideas for improving Search and Replace. If you have a suggestion, please first check the documentation and the READ.ME file to make sure they are not already implemented or planned. If not, drop us a note at [support@funduc.com](mailto:support@funduc.com).

For ordering information, please see the section [Ordering Information](#).

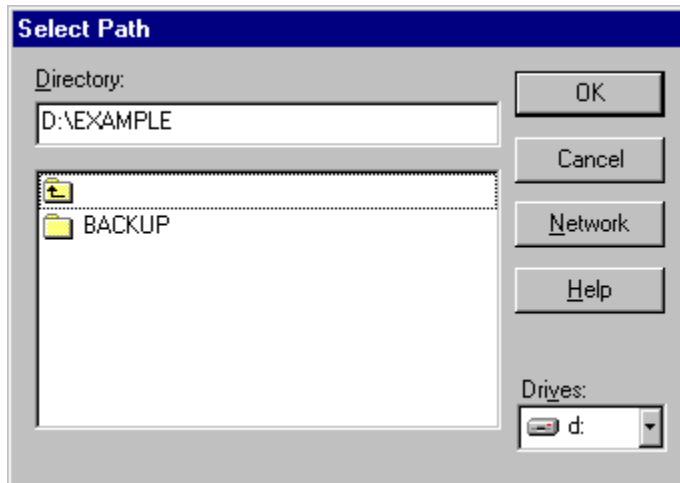
Thank you for using Funduc Software products!

## **Acknowledgments**

The portion of Search and Replace that searches through Zip files is based on the work of the Info-Zip group and used with their permission. Thanks to the entire Info-Zip group, in particular to Jean-loup Gailly, Greg Roelofs, and Mark Adler. If you are interested, you can obtain the Info-Zip code from many sources, including: CompuServe (ibmpro forum); BIX: (ibm.pc listings); Internet (ftp.uu.net:/pub/zip). If you cannot obtain this file from other sources you can send a self-addressed-stamped envelope with a disk to the address in the "About" dialog box. Also thanks to Ken Webster (kwebster@pen.k12.va.us) for preparation of the help file.

## Select Path Dialog Box

The Select Path Dialog provides a convenient way to select and insert a directory into the various "Path" lines. Use the tab key navigate to topic areas or move your mouse around the screen - it will change to a hand cursor when it is over areas where additional help is available.



You may either type in a specific path or use the mouse in the area below to select the directory where the files you want to view reside.

Select the drive where the files you want to view reside. The arrow to the right activates a drop down list that displays the available and accessible drives on your system.



To navigate using the mouse, double click on the folder icons. The browser display will update accordingly. If you were to click here, you would navigate to the parent directory of D:\EXAMPLE, which is D:\, and all the first level subdirectories under D:\ would be displayed.

To navigate using the mouse, double click on the folder icons. The browser display will update accordingly. If you were to double click here, the path D:\EXAMPLE\BACKUP would be displayed.

To navigate using the mouse, double click on the folder icons. The browser display will update accordingly as you move up or down the hierarchy of subdirectories..

Click here to activate an opening display of the Windows Network Neighborhood. Depending on your networking configuration, this can be used to select a network drive. You should consult Windows 95/NT help for more information about Network Neighborhood. **Note:** Not available on Win3.x & NT 3.51 - sorry!

If you click here, the path displayed on the Directory line will be inserted in the respective Path section of the main window.

Cancel the procedure. The path will not be changed.

[Click here to activate Search and Replace help.](#)

## **File Open/Select Viewer Dialog**

**File Name:** Select or type the name of the document you want to open. This box lists documents with the filename extension selected in the List Files Of Type box. To see a list of files with a particular extension, type an asterisk (\*), a period, and the three-character extension, and then press ENTER. To see files with more than one filename extension, type a semicolon (;), a second asterisk (\*), a period, and another three-character extension. For example, if you want to see all files with the .TXT extension and all files with the .INI extension, type \*.txt;.ini.

**List files of Type:** Select the type of files you want to see in the File Name list.

**Directories:** Select the directory where the files you want reside.

**Drive:** Select the drive where the files you want reside.

**OK button:** The file you selected will be used.

**Cancel button:** The file will not be used.



## **File Save Dialog**

**File Name:** To save a document with a new name, in a different file format, or in a different location, type a new filename. To save a document with an existing filename, select the name in the list or type the current name.

**Save files of Type:** Select the type of files you want to see in the File Name list.

**Directories:** Select the directory where the files you want to search reside.

**Drive:** Select the drive where the files you want to search reside.

**OK button:** The file you selected will be used.

**Cancel button:** The file will not be used.

## Color dialog

Colors are set in the General Options tab under program options.

**Basic Colors:** Basic colors is a palette of the preset colors available for your screen. Click the color you want to use OR use the TAB key to move to the color you want and press the SPACE bar to select it.

**Custom Colors:** Custom colors can be set by the user by using the Define Custom Colors Button. They are selected the same way Basic Colors are.

**Define Custom Colors Button:** Will allow you to create your own colors.

**OK button:** The changes will not be made.

**Cancel button:** The color will not be changed.

## Font dialog

Fonts are set in the General Options tab under program options.

**Font Field:** The face name of the font used.

**Font Style Field:** The available styles vary depending on the Font selected. The most common are Regular, Italic and Bold.

**Font Size Field:** Point size of the font. You can enter a custom value if you dont see it in the list for some fonts.

**Strikeout box:** Check it to select a strikeout font.

**Underline box:** Check it to select an underlined font.

**Color list:** Select the font color.

**Script:** Select the appropriate language script for that font.

**OK button:** The changes will not be made.

**Cancel button:** The font will not be changed.

## **No Help Available**

No help is available for this area of the window.


## **No Help Available**

No help is available for this message box.

## No Files Found


Search and Replace was unable to locate any files using the parameters you specified. This does not necessarily mean an error occurred - it could be that there simply are no 'hits' using your search string and file choice criteria.

If you are surprised to get no results, go to [Output Options](#) and turn on "Display Files Without Hits". This will direct Search and Replace to list the files processed according to your filemask(s), path, and options criteria. If no files are listed, then your criteria resulted in no files being selected for a search (see below). Conversely, if one or more files are listed as being processed and "No Occurrences Found" is displayed in the Search Results area of the [Main Window](#), then your search string simply isn't present in any of the files processed. If you expect some hits on your search string, double check your intentions regarding the [Case Sensitive](#) and [Match Whole Word](#) flags, and the use & syntax of [Regular Expression](#) and [Binary Mode](#) searching.

If no files at all are being processed, double check your [File Mask](#), and [Path](#). Click on the  to activate the [Select Path dialog](#) to double check your path. Check your [Search Options](#) to double check your settings for Zip searching & the size of regular expression searches. Also check [Filter Options](#) for whether you have exclusion criteria that are eliminating files from your search that you would actually want to process.

## File Masks: Include & Exclude Masks

File Masks are file name filters that define which files Search and Replace will operate on. If you have "Search ZIP Files" turned on, the mask will be applied to files inside of ZIPs as well as ordinary files in the path specified in the [path field](#) on the main screen. The masks are those used in the DOS dir command (e.g., \*.\*;\*.txt;\*.doc;\*.??1). More than one mask can be specified by using a semicolon separator (see above). Be sure not have any blank spaces between the semicolon(s) and the mask(s).

Search and Replace saves your last few file masks. You can you can find them in the combo box list ( ) to the right of the File Mask field.


**Include Masks:** These are the masks as outlined above. For example, to include all files of the filetype *.html* in a search, you would use the mask *\*.html*. Of note, if you wanted to also include *.htm* files, you could use the mask *\*.htm\** or use a semicolon separator and create two masks, *\*.html;\*.htm*.

**Exclude Masks:** the ~ character denotes a mask NOT to search. For example, if you wanted to exclude all *.exe* and *.dll* files from your search, you would use the mask *\*.\*;~\*.exe;\*.dll*. Here, all files but *.exe* and *.dll* files would be included. Note the use of the semicolon separators.

If you want to specify the ~ character as an explicit part of a filename, use \~ to denote the literal. For example, a mask to include the files named *~1.txt* and *~2.txt* in your search would be *\~\*.txt*. To create an exclude mask for those files, you would use the mask, *~\~\*.txt*.

## File Masks

File Masks are file name filters that define which files Search and Replace will operate on. If you have "Search ZIP Files" turned on, the mask will be applied to files inside of ZIPs as well as ordinary files in the path specified in the path field. The masks are those used in the DOS dir command (e.g., \*.\*;\*.txt;\*.doc;\*.??1). More than one mask can be specified by using a semicolon separator (see above). Be sure not have any blank spaces between the semicolon(s) and the mask(s).

Search and Replace saves your last few file masks. You can you can find them in the combo box list ( ) to the right of the File Mask field.

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If you want to specify the ~ character as an explicit part of a filename, use \~ to denote the literal. For example, a mask to include the files named *~1.txt* and *~2.txt* in your search would be *\~\*.txt*. To create an exclude mask for those files, you would use the mask, *~\~\*.txt*.



## Case Sensitive Flags

The Case Sensitive flags in the Main Window and the Script Editor determine whether Search & Replace will perform an exact case search (& replace). Note that if you want a replacement to be case sensitive, you must define a case sensitive search.

## Match Whole Word Flags

The Match Whole Word flags in the Main Window and the Script Editor determine whether Search & Replace will search for the exact word or phrase specified. A "whole word" is one that is enclosed by whitespace. For example, if this option is on and you look for "Window", the program will find it in the phrase "...use the **Window** menu..." but not in the phrase "...Windows 95...". If this option is not checked, both occurrences will be found. Note that Match Whole Word is not available when Regular Expressions are in use.

## Case Sensitive Flag

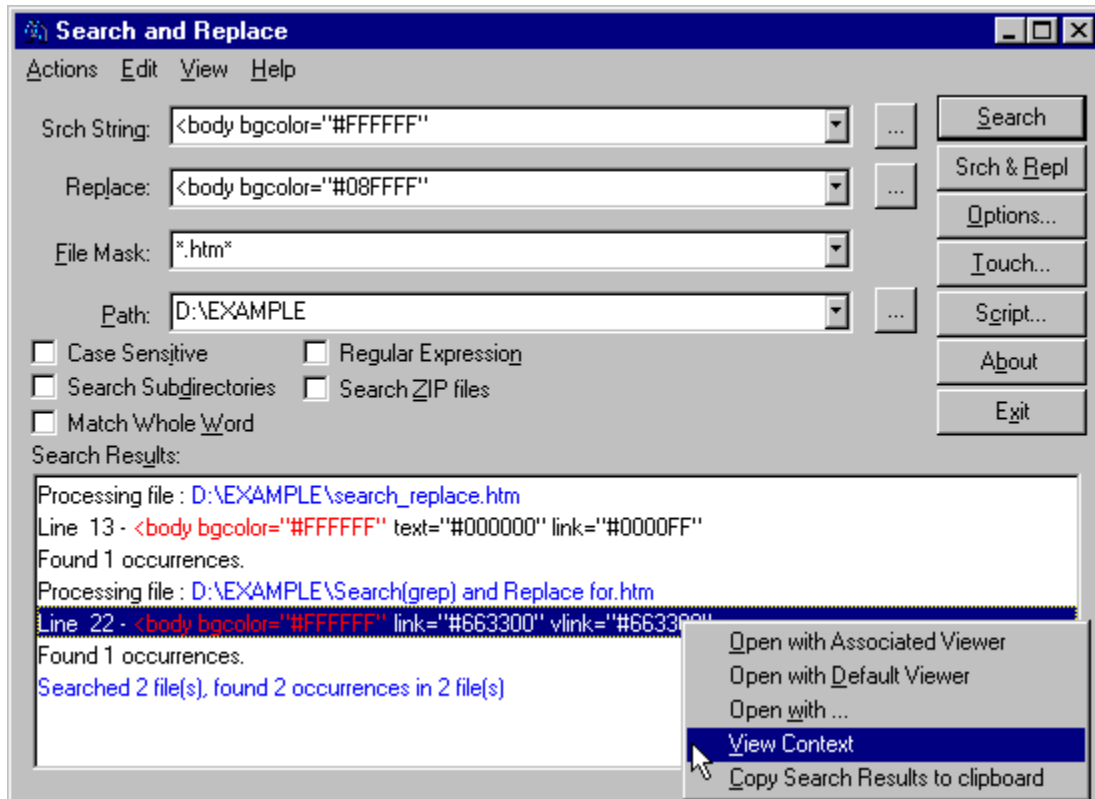
The Case Sensitive flags in the Main Window and the Script Editor determine whether Search & Replace will perform an exact case search (& replace). Note that if you want a replacement to be case sensitive, you must define a case sensitive search.

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The Match Whole Word flags in the Main Window and the Script Editor determine whether Search & Replace will search for the exact word or phrase specified. A "whole word" is one that is enclosed by whitespace. For example, if this option is on and you look for Window, the program will find it in the phrase "...use the **Window** menu..." but not in the phrase "...Windows 95...". If this option is not checked, both occurrences will be found. Note that Match Whole Word is not available when Regular Expressions are in use.

## Graphic View of Search and Replace - Main Window

Use the tab key navigate to topic areas or move your mouse around the screen - it will change to a hand cursor when it is over areas where additional help is available. For detailed help, see [Search and Replace Main Window](#)



## Search String

Enter the string to search for in this field or select a previous search string from the combo list. If you do not enter a Search String, the File Mask and Path fields will be used to execute a File Find, with the results displayed in the Search Results list.

In the screen modeled here, we searched for the string "<body bgcolor="#FFFFFF"" across files of the filetypes *\*.htm* and *\*.html* (the file mask), in the path *d:\example*.

**Note:** When a script is active, this field may change to reflect the script in place, e.g., *"Use Script file: xxx"*, where xxx is the name of the script file. See [Scripts](#) for more info.

## Binary Editor

These buttons activate the Binary Mode Editor for the search & replace string fields. You use Binary Mode to search or replace across multiple lines or to enter special characters for the search or replace fields. Note that if you create a string using binary mode input, the string "Binary mode -->" is displayed on the respective Search &/or Replace string lines. If you wish to revise or check your entry, click on this button again. Please see [Binary Mode dialog](#) for more information on multiple line and/or special character search / replace strings.

You should also note that if you are doing a Search & Replace operation, it is OK to have one component as a "binary mode" string and the other as a regular string (or even a blank string).

## Replace String field

Enter your replacement string in this field or select one from the drop down list to the right.

If you are doing a search-only operation, you can leave this field blank. It is also OK to have a replacement string here even though you're just doing a search. For example, the screen modeled here has a replace string "<body bgcolor="#FFFFFF" entered even though the screen shot is based on a search-only operation.

**Note:** When a script is active, this field may change to reflect the script in place, e.g., "*Use Script file: xxx*", where xxx is the name of the script file. See [Scripts](#) for more info.




## File Mask

Include and exclude file masks are the name filters that define which files to search. The masks are those used in the DOS dir command (e.g., \*.\*;\*.txt;\*.doc;\*.??1). More than one mask can be specified by using a semicolon separator (see above). Be sure not have any blank spaces between the semicolon and the masks. Exclude masks use the ~ character to denote with files to exclude from your procedure. For example, to exclude .exe and .dll files and include all other files, you would use the mask \*.\*;~\*.exe;\*.dll. If you have filenames that involve the ~ character, use \~ to distinguish the literal. For more information, see [File Masks](#).

Note that in the current example, the mask \*.htm\* will include all files that have a filename suffix ("filetype") involving .htm. For example, this mask would find the files *file.htm*, *home.html*, *test.html*, or *weirdnamedfile.htmltxt*.

**Note:** When a script is active, this field may change to reflect the script in place, e.g., "Use Script file: xxx", where xxx is the name of the script file. See [Scripts](#) for more info.

**Path field:** The path where files to search reside. You may type it by hand, navigate to it by using the path browser button () , or select a previously used path from the combo list. Note that to search subdirectories under the path, click on the Search Subdirectories checkbox.

**Path Browse Button:** Click this to open the [Path Browser](#) if you want to navigate your way to the desired search path.

**Case Sensitive field:** Check this if you want the search to be case sensitive. Uncheck it if you want to search regardless of case. Note that if you want a replacement to be case sensitive, you must define a case sensitive search.

**Search Subdirectories field:** Check this if you want to search all subdirectories under the path you defined. Note that searching subdirectories will usually slow your search since more files will be processed. Uncheck it if you just want to search the specified path.

**Match Whole Word:** Check this to search for the exact word or phrase specified, meaning, it is enclosed by whitespace. For example, if this option is on and you look for "Window", the program will find it in the phrase "...use the **Window** menu..." but not in the phrase "...Windows 95...". If this option is not checked, both occurrences will be found.

**Regular Expression Field:** Check this if you want to use a regular expression. You should note that if you are doing a regular expression operation, the Match Whole Word function is not available. Case Sensitive and Binary Mode can be used in conjunction with Regular Expression. See [Regular Expression Support](#) for more information on the syntax supported.

**Search ZIPs Field:** If you check this box, any ZIP files (created with PKZIP or compatible utilities) in the search path(s) will be examined and any files with the masks specified will be extracted and searched. This option is only available for Searches (not Replaces). This option may slow down your searches, so you should turn it off if you do not need it.



**Drop Down Lists:** Search and Replace saves your last few choices in the respective input areas to the left of the selection lists. [Click here to activate the lists.](#) The number of items saved is configured in [General Options](#).

**Path Browser:** Click here to activate a path selection dialog. See [Select Path Dialog](#) for more information.

**Search button:** Click this button to start a search. Note that you can also initiate a search by pressing Enter when the focus is in the Search Results list or the Search String, Replace String, Path, & Mask fields.

**Search and Replace button:** Begin a search & replace operation by clicking here. Depending on your settings in Replace Options, you will be prompted before confirmations. We recommend that if you use this feature you also enter a backup path in the Replace Options.

**Options button:** Click this button to display the Options dialog.

**Touch button:** Click here to touch (change the date & time stamp) the files found using the mask(s) provided in the specified directory. See [Touch dialog](#) for more information.

**Script button:** Click this button to activate the Script Editor.

**About button:** Click this button to view system information, [Ordering Information](#) and [License Information](#).



**Exit button:** Click this to exit Search and Replace for Windows.

## Search Results List

Your search results are displayed there. The file name and the strings found are displayed in different colors. If you have trouble seeing the strings or names, try changing the colors from the General Options dialog.

**Note:** In the model screen here, the right click menu available in the results list has been captured for purposes of an example (lower right corner). Normally, this is not displayed until you right click on a file or search results line.

To activate the View Context dialog, either select View Context from the right click menu or double click on a line where the search string is displayed. For example, in the current example, if you were to double click on the highlighted line in the current example (Line 22 - ...), the view context dialog would be displayed with the search string highlighted.

If you want to Shell the executable associated with a particular file (in File Manager), double click on a filename line. In the example screen, if you wanted to activate the web browser associated with *.htm* files on your computer, double click on the line immediately above the highlighted line, e.g, the line that says, "Processing file : D:\EXAMPLE\Search(grep) and Replace for.htm".

By pressing the Ctrl+C key, the entire contents of the list box are copied to the Clipboard.

**Right Click View Context Menu:** This menu is displayed after you right click on a file or search results line. It allows you choices for viewing results. The items are the same in the upper portion of the Search and Replace View Menu on the menu bar.

## Open with Associated File

Select this from the right click menu to open the current file using the associated viewer. If no viewer is associated with that file extension, the default viewer, configurable in the General Options tab under Options, is used (default is NOTEPAD.EXE). The file to open is determined by the focus in the Search Results list (marked by a thin rectangle or a highlight). If the Search Results list contains nothing, this item is not available.

In the current example, if this item were chosen, the web browser associated with *.htm* files would be launched.

**Note:** If the file is in a Zip file, it is extracted to a subdirectory of the path specified in the Search Options tab. If you edit it a file in a ZIP, you must use your ZIP utility to update the ZIP file since ZIP files are NOT automatically updated.

### Open with Default Viewer

This item in the right click menu will launch the Search & Replace default viewer (configurable in the General Options tab under Options). NOTEPAD.EXE is used if no default viewer has been defined. The file to open is determined by the focus in the Search Results list (marked by a thin rectangle or a highlight). If the Search Results list contains nothing, this item is not available.

**Note:** If the file is in a ZIP file, it is extracted to a subdirectory of the path specified in the Search Options tab. If you edit it a file in a ZIP, you must use your ZIP utility to update the ZIP file since ZIP files are NOT automatically updated.

### Open with...

Select this from the right click menu to open the current file using a viewer of your choice. A Select Viewer dialog will allow you to select the viewer to use. If the Search Results list contains nothing, or if the focus is on a filename line, this item is not available.

**Note:** If the file is in a ZIP file, it is extracted to a subdirectory of the path specified in the Search Options tab. If you edit it, you must then update the ZIP file since ZIP files are NOT automatically updated.

## View Context

This item in the right click menu will activate the Search & Replace internal context viewer. The highlighted file will be opened at the point of the found search string and the string will be highlighted. The highlight color, number of lines displayed in the context viewer, and the viewer font are configurable under in the General Options tab under Options. If the Search Results list contains nothing or if you have the focus on a filename line, this item is not available.

In the current example screen, the file *D:\EXAMPLE\Search(grep) and Replace for.htm* will be displayed in the context viewer at line 22.

**Note:** The Search and Replace context viewer displays text only. However, the Search and Replace automatically detects binary files and will launch our freeware application, HexView for Windows 95/NT, which can display and print any file as a hex dump. HexView can be downloaded from our web site. See Product Information for further details.

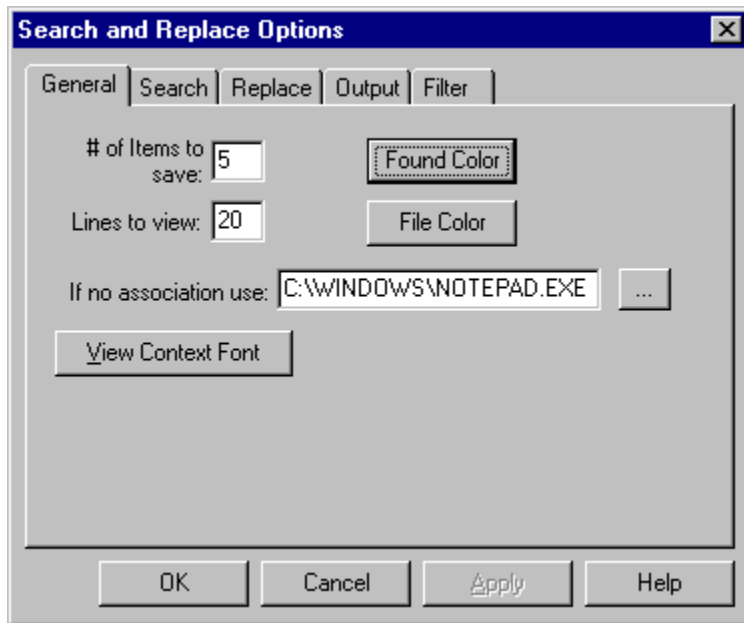
**Note:** If the file is in a ZIP file, it is extracted to a subdirectory of the path specified in the Search Options tab. If you edit it, you must then update the ZIP file since ZIP files are NOT automatically updated.

Please see View Context dialog for more information.

**Copy to Search Results to Clipboard:** Selecting this from the right click menu is the same as pressing CTRL-C anywhere in the Search Results list. The contents of the list are copied as text into the clipboard.



## Graphic View of General Options




**Number of Items to Save:** This setting controls the number of items Search and Replace will save in the drop down lists (☰) next to the various input fields such as the Search & Replace strings, File Mask, & Path. The default is 5. The maximum is 20.

**Lines To View:** This setting controls the number of lines displayed in View Context window. The default is 5 and the maximum 20.

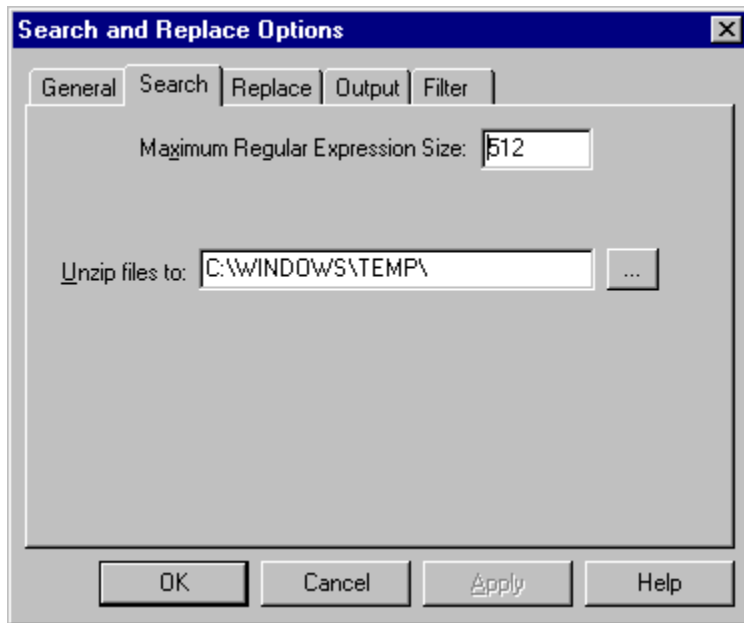
**Found Color:** This will change the highlighting color of found strings in Search Results and the View Context window. Click [here](#) to activate a standard Windows color selector dialog. See [Color Dialog](#) for more information.

**File Color:** This will change the highlighting color of file names in the Search Results area. Click [here](#) to activate a standard Windows color selector dialog. See [Color Dialog](#) for more information.

**File Association:** Enter a file name for the default viewer to be used when the a file has no association. You may also use the Browse button (  ) to select a default viewer, in which case you will see Select Viewer dialog.

**View Context Font:** Click here to activate a [font selector dialog](#) to pick a new font for the [View Context dialog](#).

## Graphic View of Search Options

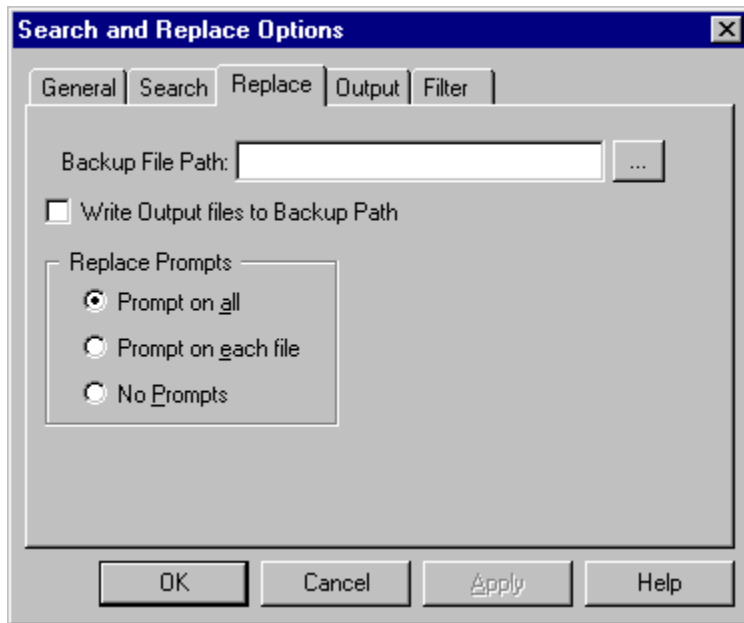





**Maximum Regular Expression Size:** Enter the maximum number of bytes to allow for searching for a regular expression (such as \*). See [Regular Expression Support](#) for more details. The maximum allowed is 4096 (4K).

**UnZip Path:** A path where the contents of ZIP files will be extracted for Searching if you have "Search ZIP files" turned on (see [Search and Replace Main Window](#)). The default is the temporary directory defined by your computer's operating system, typically "Windows\Temp". Subdirectories will be created and removed as needed under the specified path.

## Graphic View of Replace Options



**Backup Path:** Select a backup path if you want your old files backed up. You may also use the Browse button (  ) to select a path, in which case you will see the Select Path dialog. The directory tree will be created if needed during the Replace operation (if Search Subdirectories was checked).

**Write Output to Backup Path:** Check this box if you want to write the changed files to the backup directory. Also specify a Backup Directory. The directory tree will be created if needed during the Replace operation (if Search Subdirectories was checked).

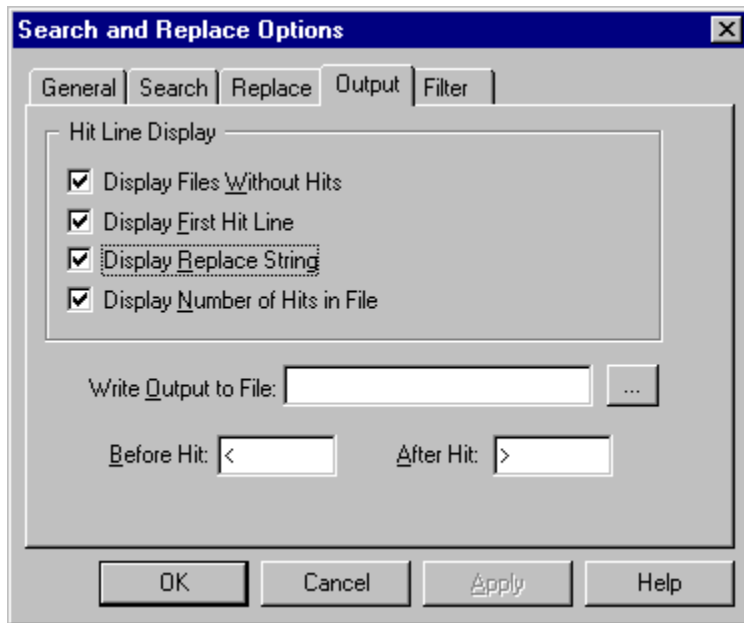
**Replacement Prompts?:** This mutually exclusive selector controls whether or not Search and Replace will supply prompts during replacement operations.

Select "Prompt On All" to get a prompt on every string to be replaced in every file.

Select "Prompt on Each File" to get a prompt for all occurrences in each file. (Note: If you use this option, you may not realize exactly the context of every string you replace).

Select "No Prompts" to not get any prompts whatsoever for all replaces. (Note: If you use this option, you may not realize exactly the context of every string you replace or which files you replace them in until after the operation is finished).

## Graphic View of Output Options



**Display Files Without Hits:** When checked, the display will list the filenames where **no** occurrences of the search string were found. Note that if this is the only box checked, the display will not list files where the search string is present.



**Display First Hit Line:** When checked, the display will list the filenames and the highlighted context of where the search string was found. If you are searching across multiple lines, the first line will be displayed. Note that if this is the only box checked, you'll only get feedback from files where the search string was found.

**Display Replacement String:** When checked, the display will list the filenames, replacements, and total counts for all replacements. Note that if this is the only box checked, you won't see the context of each replacement. Check "Display First Hit Line" if you want to see the full replace contexts.

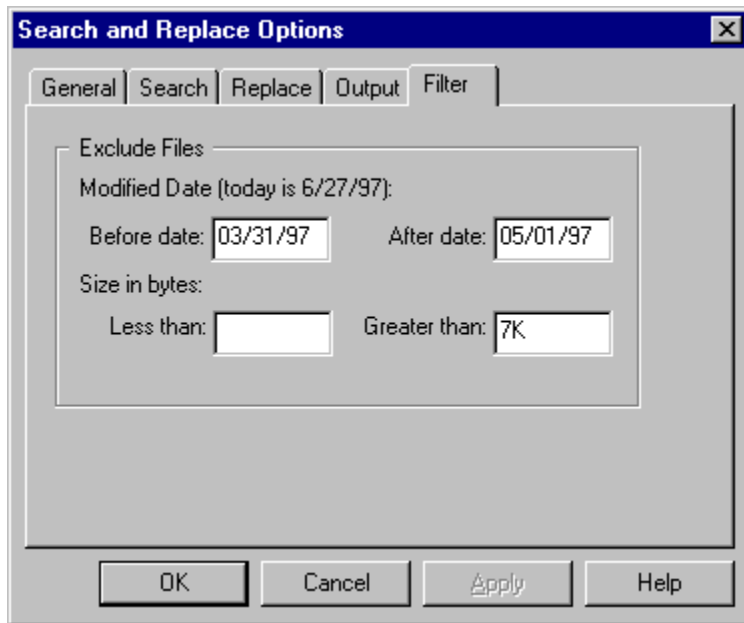
**Display Number of Hits:** When checked, the display will list the filename(s) and number of times the search string was found in that file. Note that if "Display First Hit Line" is not checked, the only thing listed will be the number of hits. Select this if you only want to know how many hits were found in each file.

**Write Output To File:** Enter a file name for a file where the list output will be directed. If this field is blank, no file is produced. If no path is specified, the current directory is used. You may also use the Browse button (⋮) to activate a File Save As dialog that you may use to select a subdirectory &/or specific file. The default suggestion for this File Save As dialog is the file "Results.txt." However, you are free to use any filename. Note that what is written to this file is the same information presented in the Search & Replace results display. Therefore, to adjust the output, make selections in the "Hit Line Display" checkboxes.

**Before Hit Character(s):** Enter the character string to be displayed before hits in clipboard dump or in the Output File. If you do not want anything displayed, blank out this field.

**After Hit Character(s):** Enter the character string to be displayed after hits in clipboard dump or in the Output File. If you do not want anything displayed, blank out this field.

## Graphic View of Filter Options



**Exclude Before Date:** If a date is entered here, all files whose date stamp precedes that date will be excluded from your search. In the example here, all files earlier than 3/31/97 will not be included in the search (& replace). You may combine this setting with an "After Date" to limit operations to a specific date range. You may also combine this with one (but not both) of the size filters.



**Exclude After Date:** If a date is entered here, all files whose date stamp comes after that date will be excluded from your search. In the present example, all files later than 5/1/97 will not be included in the search (& replace). You may combine this setting with a "Before Date" to limit operations to a specific date range. You may also combine this with one (but not both) size of the filters.

**Exclude Less Than:** This field excludes all files whose size is smaller than the value entered. Size units may take the form of # of bytes or whole K, KB, or M values, e.g., 100K, 100KB, 1M, 4M. You should not enter fractional values when using K, KB, M quantities. Note that you can use only one size filter at a time. However, you can use this in conjunction with one or both date filters.

**Exclude Larger Than:** This field excludes all files whose size is smaller than the value entered. Size units may take the form of # of bytes or whole K, KB, or M values, e.g., 100K, 100KB, 1M, 4M. You should not enter fractional values when using K, KB, M quantities. Note that you can use only one size filter at a time. However, you can use this in conjunction with one or both date filters.

**OK Button:** Click here to save settings and close the dialog.

**Cancel Button:** Click here to close the dialog and cancel any changes made.

**Apply Button:** Click here to apply the changes but leave the dialog open.

**Help Button:** [Click here to activate online help.](#)





