

# *UltraEdit-32*

*(& UltraEdit)*

## *User's Manual*

*for UltraEdit/UltraEdit-32*  
*Version 10.20*

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#### UltraEdit/UltraEdit-32, v10.20 Online User's Manual

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|   |           |
|---|-----------|
| <b>CHAPTER 1 TEXT INPUT AND CURSOR MOVEMENT</b> | <b>20</b> |
| <b>Insert/Overstrike Modes</b>                  | <b>20</b> |
| <b>Inserting Special Characters</b>             | <b>20</b> |
| <b>Drag and Drop Editing</b>                    | <b>20</b> |
| Drag and Drop Files                             | 21        |
| <b>Cursor Movement</b>                          | <b>21</b> |
| Cursor Arrows                                   | 21        |
| Home and End                                    | 21        |
| Page Up and Page Down                           | 21        |
| <b>Scrolling</b>                                | <b>22</b> |
| Vertical Scrolling                              | 22        |
| Horizontal Scrolling                            | 22        |
| <b>Text Selection/Highlighting</b>              | <b>22</b> |
| Double Click Selections                         | 23        |
| <b>Blocking Text</b>                            | <b>23</b> |
| <b>Unicode and UTF-8 Support</b>                | <b>23</b> |
| <b>CHAPTER 2 FILE MANAGEMENT</b>                | <b>25</b> |
| <b>File Menu Commands</b>                       | <b>26</b> |
| <b>Creating Files</b>                           | <b>28</b> |
| New command                                     | 28        |
| <b>Opening Files</b>                            | <b>28</b> |
| Open command                                    | 28        |
| File Open Dialog Box                            | 28        |
| File Name                                       | 28        |
| List Files of Type                              | 28        |
| Drives  | 28        |
| Directories                                     | 28        |
| Read Only                                       | 28        |
| Network   | 28        |
| Quick Open command                              | 29        |
| <b>Closing Files</b>                            | <b>29</b> |
| Close command                                   | 29        |
| Close All Files command                         | 29        |
| <b>FTP</b>                                      | <b>30</b> |
| FTP Accounts                                    | 30        |
| Domain or IP Address                            | 30        |
| Name  | 30        |

|   |           |
|---|-----------|
| Password                                | 30        |
| Save Password                           | 30        |
| User Account                            | 30        |
| Secure (SFTP – SSH2)                    | 30        |
| Initial Directory                       | 31        |
| Local Copy Directory                    | 31        |
| FTP/Proxy Port                          | 31        |
| Proxy/Firewall Settings                 | 31        |
| Use Proxy                               | 31        |
| Proxy Server                            | 31        |
| FTP Accounts – Advanced                 | 31        |
| Cache password for session if not saved | 31        |
| Domain or IP Address                    | 31        |
| Passive Transfers                       | 32        |
| Server Type                             | 32        |
| Full Path Leading Character             | 32        |
| Path/Node Separator Character           | 32        |
| Secure (SFTP – SSH2)                    | 32        |
| Authentication                          | 32        |
| Open from FTP                           | 33        |
| Refresh                                 | 33        |
| Create Dir                              | 33        |
| Permissions                             | 33        |
| Rename                                  | 34        |
| Delete                                  | 34        |
| Transfer Type                           | 34        |
| Show Log                                | 34        |
| Save As to FTP                          | 34        |
| Refresh                                 | 35        |
| Create Dir                              | 35        |
| Permissions                             | 35        |
| Rename                                  | 35        |
| Delete                                  | 35        |
| <b>Revert to Saved</b>                  | <b>35</b> |
| <b>Saving Files</b>                     | <b>35</b> |
| Save command                            | 35        |
| Save As command                         | 35        |
| Save All command                        | 35        |
| Save Selection As command               | 36        |
| Case Sensitive File Names               | 36        |
| Make Copy/Backup                        | 36        |
| Rename File                             | 36        |
| <b>Compare Files</b>                    | <b>36</b> |
| Differences in color                    | 36        |
| Differences Side-by-Side                | 37        |
| Ignore Blanks                           | 37        |
| Only Show Lines That Differ             | 37        |
| Saving/Printing Output                  | 37        |
| <b>Advanced Sort and Options</b>        | <b>37</b> |
| Sort Order                              | 37        |
| Remove Duplicates                       | 38        |

|   |           |
|---|-----------|
| Ignore Case                             | 38        |
| <b>Sort Columns</b>                     | <b>38</b> |
| Use Locale(Slower)                      | 38        |
| <b>File Conversion</b>                  | <b>39</b> |
| UNIX/MAC to DOS                         | 39        |
| DOS to MAC                              | 39        |
| DOS to UNIX                             | 39        |
| ASCII to EBCDIC                         | 39        |
| ANSI to OEM                             | 39        |
| ASCII to Unicode                        | 40        |
| UTF-8 to Unicode                        | 40        |
| Unicode to ASCII                        | 40        |
| UTF-8 to ASCII                          | 40        |
| ASCII to UTF-8                          | 40        |
| Unicode/UTF-8 to UTF-8                  | 40        |
| Unicode/ASCII/UTF-8 to UTF-8            | 41        |
| <b>Insert File</b>                      | <b>41</b> |
| <b>Delete Active File command</b>       | <b>41</b> |
| <b>Send Mail command</b>                | <b>41</b> |
| <b>Large file handling</b>              | <b>41</b> |
| <b>Insert String at Every Increment</b> | <b>42</b> |
| Start Point                             | 42        |
| End Point                               | 42        |
| <b>Print command</b>                    | <b>42</b> |
| <b>Print All Files command</b>          | <b>42</b> |
| <b>Print Preview command</b>            | <b>42</b> |
| Print Preview Toolbar                   | 43        |
| Print                                   | 43        |
| Next Page                               | 43        |
| Prev Page                               | 43        |
| One Page / Two Page                     | 43        |
| Zoom In                                 | 43        |
| Zoom Out                                | 43        |
| Close                                   | 43        |
| <b>Page Setup</b>                       | <b>43</b> |
| Page Margins                            | 45        |
| Page Break Character                    | 45        |
| Wrap Text When Printing                 | 45        |
| Print Line Numbers                      | 45        |
| Print 2 Pages on 1 Sheet                | 45        |
| Print Syntax Highlighting               | 45        |
| <b>Print Setup</b>                      | <b>45</b> |
| Print Setup Dialog Box                  | 46        |

|                                   |           |
|-----------------------------------|-----------|
| Printer                           | 46        |
| Orientation                       | 46        |
| Paper Size                        | 46        |
| Paper Source                      | 46        |
| Options                           | 46        |
| Network                           | 46        |
| <b>Favorite Files</b>             | <b>46</b> |
| Open                              | 46        |
| Close                             | 46        |
| Add File                          | 46        |
| Add Active File                   | 47        |
| +All Open Files                   | 47        |
| Add Directory                     | 47        |
| Remove File                       | 47        |
| <b>Recent Files</b>               | <b>47</b> |
| <b>Recent Projects/Workspaces</b> | <b>47</b> |
| <b>Exit command</b>               | <b>47</b> |
| <b>CHAPTER 3 EDIT FEATURES</b>    | <b>48</b> |
| <b>Edit Menu Commands</b>         | <b>48</b> |
| <b>Undo command</b>               | <b>49</b> |
| <b>Redo command</b>               | <b>49</b> |
| <b>Cut command</b>                | <b>49</b> |
| <b>Copy command</b>               | <b>49</b> |
| <b>Paste command</b>              | <b>50</b> |
| <b>Clipboards (Normal, 1-9)</b>   | <b>50</b> |
| <b>Select All command</b>         | <b>50</b> |
| <b>Select Line command</b>        | <b>50</b> |
| <b>Select Range</b>               | <b>50</b> |
| <b>Delete</b>                     | <b>50</b> |
| <b>Delete Line</b>                | <b>50</b> |
| <b>Delete to End of Line</b>      | <b>50</b> |
| <b>Delete to Start of Line</b>    | <b>51</b> |
| <b>Duplicate Line</b>             | <b>51</b> |

|  |               |
|--|---------------|
| <b>Insert Line</b>                                       | <b>51</b>     |
| <b>Insert Date/Time</b>                                  | <b>51</b>     |
| <b>Hex Mode Editing (Please see Hex Editing section)</b> | <b>51</b>     |
| <b>Spelling Checker</b>                                  | <b>51</b>     |
| <b>Read Only Command</b>                                 | <b>51</b>     |
| <b>Word Wrap Command</b>                                 | <b>51</b>     |
| <b>Comment Add/Remove</b>                                | <b>52</b>     |
| <b>Insert Color</b>                                      | <b>52</b>     |
| Working with “Wide Files”                                | 52            |
| <b>Right Mouse Button Commands</b>                       | <b>52</b>     |
| <br><b>CHAPTER 4 HEX EDITING FEATURES</b>                | <br><b>54</b> |
| <b>Hex Mode Editing</b>                                  | <b>54</b>     |
| <b>Hex/EBCDIC Mode Editing</b>                           | <b>55</b>     |
| <b>Hex Insert/Delete</b>                                 | <b>55</b>     |
| <b>Hex Mode Detection</b>                                | <b>55</b>     |
| <b>Hex Mode – Line Terminators</b>                       | <b>55</b>     |
| <b>Hex Copy Selected View</b>                            | <b>56</b>     |
| <br><b>CHAPTER 5 SEARCH FEATURES</b>                     | <br><b>57</b> |
| <b>Search Menu Commands</b>                              | <b>58</b>     |
| <b>Find command</b>                                      | <b>58</b>     |
| Special Character Summary                                | 59            |
| Search Direction   | 59            |
| List Lines Containing String                             | 59            |
| Match Case   | 59            |
| Match Whole Word Only                                    | 59            |
| Regular Expressions                                      | 59            |
| ASCII  | 60            |
| <b>Find In Files command</b>                             | <b>60</b>     |
| Search In  | 60            |
| Files Listed   | 60            |
| Open Files   | 60            |
| Project Files  | 60            |
| Match Case   | 60            |
| Match Whole Word Only                                    | 60            |

|  |           |
|--|-----------|
| Search Subdirectories  | 61        |
| Results to Edit Window   | 61        |
| Unicode Search   | 61        |
| Regular Expressions  | 61        |
| <b>Find Next command</b>   | <b>61</b> |
| <b>Find Previous command</b>                                       | <b>61</b> |
| <b>Continue Search at End of File (General Configuration Page)</b> | <b>61</b> |
| <b>Replace command</b>   | <b>62</b> |
| Special Character Summary  | 62        |
| Regular Expressions  | 62        |
| Find Next  | 62        |
| Replace  | 62        |
| Replace All  | 63        |
| Replace in Current File  | 63        |
| Replace All Within the Selected Text                               | 63        |
| Replace All in All the Open Files                                  | 63        |
| Match Case   | 63        |
| Preserve Case  | 63        |
| ASCII  | 64        |
| <b>Replace In Files command</b>                                    | <b>64</b> |
| Match Case   | 64        |
| Preserve Case  | 64        |
| Match Whole Word Only  | 65        |
| List Changed Files   | 65        |
| Search Subdirectories  | 65        |
| Unicode Search   | 65        |
| Regular Expressions  | 65        |
| <b>Match Brace</b>   | <b>65</b> |
| <b>Goto Line/Page</b>  | <b>66</b> |
| <b>Setting and Moving to Bookmarks</b>                             | <b>66</b> |
| <b>Word Count</b>  | <b>67</b> |
| <b>Function List</b>   | <b>67</b> |
| <b>CTAGS Support</b>   | <b>68</b> |
| What is Ctags?   | 68        |
| Ctags EXE  | 68        |
| Ctags Configuration within UltraEdit                               | 68        |
| Creating the Tag File  | 68        |
| Finding a Symbol/Tag   | 69        |
| <b>Character Properties</b>  | <b>69</b> |
| <b>Back/Forward</b>  | <b>69</b> |



|                           |           |
|---------------------------|-----------|
| <b>Incremental Search</b> | <b>69</b> |
|---------------------------|-----------|

## **CHAPTER 6 PROJECT FEATURES 70**

|                              |           |
|------------------------------|-----------|
| <b>Project Menu Commands</b> | <b>70</b> |
|------------------------------|-----------|

|                            |           |
|----------------------------|-----------|
| <b>New Project command</b> | <b>70</b> |
| Workspace                  | 71        |
| Project                    | 71        |

|                             |           |
|-----------------------------|-----------|
| <b>Open Project command</b> | <b>71</b> |
|-----------------------------|-----------|

|                              |           |
|------------------------------|-----------|
| <b>Close Project command</b> | <b>71</b> |
|------------------------------|-----------|

|   |           |
|---|-----------|
| <b>Files/Settings</b>   | <b>71</b> |
| Filter  | 72        |
| Open  | 72        |
| Close   | 72        |
| Update  | 72        |
| New Group   | 72        |
| Add File  | 72        |
| Add Active File   | 72        |
| All Open Files  | 72        |
| Add Folder  | 72        |
| Remove Item   | 72        |
| Include sub folders when adding folder (applies to all folders) | 73        |
| Optional Wordfile   | 73        |
| Optional CTAG File  | 73        |
| Create CTAG File on Project Load                                | 73        |

## **CHAPTER 7 DISPLAY FEATURES 74**

|                           |           |
|---------------------------|-----------|
| <b>View Menu Commands</b> | <b>75</b> |
|---------------------------|-----------|

|   |           |
|---|-----------|
| <b>View as (Highlighting File Type)</b> | <b>76</b> |
|---|-----------|

|                        |           |
|------------------------|-----------|
| <b>Toolbar command</b> | <b>76</b> |
| Toolbar                | 76        |

|  |           |
|--|-----------|
| <b>Status Bar command</b>                | <b>76</b> |
| Status Bar                               | 76        |
| Status Bar Contents (from left to right) | 76        |
| Insert/Overstrike Modes                  | 77        |

|                       |           |
|-----------------------|-----------|
| <b>Open File Tabs</b> | <b>78</b> |
| Using File Tabs       | 78        |

|                       |           |
|-----------------------|-----------|
| <b>File Tree View</b> | <b>79</b> |
| Open Files            | 79        |
| Project Files/Drive   | 79        |
| Common                | 79        |

|                      |           |
|----------------------|-----------|
| <b>Function List</b> | <b>80</b> |
|----------------------|-----------|

|  |           |
|--|-----------|
| <b>Macro List</b>  | <b>80</b> |
| <b>Tag List</b>  | <b>80</b> |
| Tag List Modify  | 80        |
| Creating Custom Tag Lists                                  | 81        |
| [TagList]  | 81        |
| [Group List]   | 81        |
| [Tag Group]  | 81        |
| Adding Individual Tag Lists                                | 82        |
| [Tag Group - HTML - Special Characters]                    | 82        |
| Replacing the Default Tag List with Any Available Tag List | 82        |
| <b>Output Window</b>                                       | <b>82</b> |
| <b>Set HEX/Column Mode Font</b>                            | <b>83</b> |
| <b>Set Font</b>  | <b>83</b> |
| Choose Font dialog box                                     | 83        |
| <b>Mirror Display Font</b>                                 | <b>83</b> |
| <b>Set Printer Font</b>                                    | <b>84</b> |
| <b>OEM Character Set</b>                                   | <b>84</b> |
| <b>Reset Fonts (Default)</b>                               | <b>84</b> |
| <b>Increase/Decrease Font Size</b>                         | <b>84</b> |
| <b>Set Colors</b>  | <b>84</b> |
| <b>Show Spaces/Tabs</b>                                    | <b>85</b> |
| <b>Set Column Markers</b>                                  | <b>85</b> |
| <b>Show Column Marker 1/2</b>                              | <b>85</b> |
| <b>No Scroll Left Side of Marker 1</b>                     | <b>85</b> |
| <b>Display Ruler</b>                                       | <b>86</b> |
| <b>Display Line Numbers</b>                                | <b>86</b> |
| <b>Line Spacing</b>  | <b>86</b> |
| <b>ASCII Table</b>   | <b>86</b> |
| Character  | 86        |
| Decimal #  | 87        |
| Hexadecimal #  | 87        |
| Name #   | 87        |
| Ctrl Character #   | 87        |
| <b>Hide/Show Lines</b>                                     | <b>87</b> |
| Hiding Lines   | 87        |

|  |               |
|--|---------------|
| Un-Hiding Lines                                    | 87            |
| Saving the Hidden Lines                            | 88            |
| <b>Full Screen Mode</b>                            | <b>88</b>     |
| <br><b>CHAPTER 8 FORMAT FEATURES</b>               | <br><b>89</b> |
| <b>Format Menu Commands</b>                        | <b>89</b>     |
| <b>Reformat Paragraph command</b>                  | <b>90</b>     |
| <b>Paragraph Formatting</b>                        | <b>90</b>     |
| <b>Convert CR/LF's to Wrap</b>                     | <b>91</b>     |
| <b>Convert Wrap to CR/LF's</b>                     | <b>91</b>     |
| CR/LF fix:   | 92            |
| UNIX/MAC to DOS(File Menu>Conversions)             | 92            |
| <b>Tabs to Spaces</b>                              | <b>92</b>     |
| <b>Spaces to Tabs (Leading)</b>                    | <b>92</b>     |
| <b>Spaces to Tabs (All)</b>                        | <b>92</b>     |
| <b>Trim Trailing Spaces</b>                        | <b>93</b>     |
| <b>OEM to ANSI</b>                                 | <b>93</b>     |
| <b>ANSI to OEM</b>                                 | <b>93</b>     |
| <b>Capitalize</b>                                  | <b>93</b>     |
| <b>Invert Case</b>                                 | <b>93</b>     |
| <b>To Lower Case</b>                               | <b>93</b>     |
| <b>To Upper Case</b>                               | <b>93</b>     |
| <b>Add Indents</b>                                 | <b>94</b>     |
| <b>Remove Indents</b>                              | <b>94</b>     |
| <b>Insert Page Break</b>                           | <b>94</b>     |
| <b>CSE HTML Validator</b>                          | <b>94</b>     |
| <b>HTML Tidy</b>                                   | <b>94</b>     |
| <b>Reindent File</b>                               | <b>95</b>     |
| <br><b>CHAPTER 9 COLUMN/BLOCK EDITING FEATURES</b> | <br><b>96</b> |

|                                       |            |
|---------------------------------------|------------|
| <b>Column Menu Commands</b>           | <b>96</b>  |
| <b>What is Column/Block Editing?</b>  | <b>96</b>  |
| <b>Column Mode</b>                    | <b>97</b>  |
| <b>Insert/Fill Columns</b>            | <b>97</b>  |
| <b>Delete Columns</b>                 | <b>97</b>  |
| <b>Cut Columns command</b>            | <b>97</b>  |
| <b>Insert Number</b>                  | <b>98</b>  |
| <b>Sum Columns/Selection</b>          | <b>98</b>  |
| <b>Convert to Fixed Column</b>        | <b>98</b>  |
| Scan                                  | 98         |
| Scan First Line Only                  | 98         |
| Keep Delimiter with Fixed Columns     | 98         |
| Separator Character                   | 99         |
| Field Widths                          | 99         |
| Convert                               | 99         |
| <b>Convert to Character Delimited</b> | <b>99</b>  |
| Separator Character                   | 99         |
| Field Widths                          | 99         |
| Convert                               | 99         |
| <b>Left Justify</b>                   | <b>99</b>  |
| <b>Center Justify</b>                 | <b>100</b> |
| <b>Right Justify</b>                  | <b>100</b> |
| <b>CHAPTER 10 MACRO FEATURES</b>      | <b>101</b> |
| <b>Macro Menu Commands</b>            | <b>101</b> |
| <b>Load</b>                           | <b>102</b> |
| <b>Load and Append to Existing</b>    | <b>102</b> |
| <b>Save All</b>                       | <b>102</b> |
| <b>Set Auto Load</b>                  | <b>102</b> |
| <b>Edit Macro</b>                     | <b>102</b> |
| Commands                              | 103        |
| Parameters                            | 103        |
| Creating a New Macro                  | 103        |
| Modifying an Existing Macro           | 103        |
| <b>Set Macro for File Load/Save</b>   | <b>103</b> |

|   |            |
|---|------------|
| Macro Filename                                    | 104        |
| Macro Name to Execute on Load                     | 104        |
| # of Times  | 104        |
| Macro Name to Execute on Save                     | 104        |
| # of Times  | 104        |
| <b>Macro Definition Dialog</b>                    | <b>104</b> |
| <b>Delete All</b>                                 | <b>104</b> |
| <b>Delete Macro/Modify Hot Key</b>                | <b>105</b> |
| <b>Templates and Macros - Which One Do I Use?</b> | <b>105</b> |
| Templates   | 105        |
| Macros  | 105        |
| <b>Record</b>                                     | <b>105</b> |
| Notes for Recording Macros                        | 105        |
| <b>Stop Recording</b>                             | <b>106</b> |
| <b>Quick Record</b>                               | <b>106</b> |
| <b>Playback</b>                                   | <b>107</b> |
| <b>Playback Multiple Times</b>                    | <b>107</b> |
| <b>Warn on Exit if Macro Not Saved</b>            | <b>107</b> |
| <b>CHAPTER 11 ADVANCED FEATURES</b>               | <b>108</b> |
| <b>Advanced Menu Commands</b>                     | <b>108</b> |
| <b>Set Code Page/Locale</b>                       | <b>109</b> |
| <b>Display/Modify Templates command</b>           | <b>109</b> |
| Special Strings                                   | 109        |
| Time  | 110        |
| Date  | 110        |
| <b>Insert Templates command</b>                   | <b>111</b> |
| <b>DOS Command</b>                                | <b>111</b> |
| <b>Run Windows Program</b>                        | <b>113</b> |
| <b>Alternate Capture Method</b>                   | <b>114</b> |
| <b>Tools Configuration/Use</b>                    | <b>114</b> |
| Command Line                                      | 114        |
| Working Directory                                 | 115        |
| Menu Item Name                                    | 115        |
| Windows Program Checkbox                          | 116        |
| Save all files first                              | 116        |

|   |                |
|---|----------------|
| Save Active File  | 116            |
| Command Output (DOS Commands ONLY)  | 116            |
| <b>Command List Box</b>   | 116            |
| Requirements  | 117            |
| Advanced  | 117            |
| Bitmap/Icon   | 117            |
| Replace Selected Text With:   | 117            |
| <br><b>CHAPTER 12 CONFIGURATION FEATURES</b>  | <br><b>118</b> |
| <br><b>General Configuration Page</b>   | <br><b>119</b> |
| General Application Items   | 119            |
| File Handling Items   | 119            |
| Load/Save/Conversions   | 120            |
| Display   | 120            |
| Editing   | 120            |
| Find  | 120            |
| Advanced/Problem Solving  | 120            |
| These items should normally only be used if advised to by our technical support either directly or indirectly. Care should be used before changing these items. | 120            |
| <br><b>General Application Items:</b>   | <br><b>120</b> |
| Allow Multiple Instances  | 120            |
| Project Menu on Main Menu   | 120            |
| Recent files list on File Menu  | 120            |
| Save Bookmarks  | 121            |
| Delimiter character for line/column designator on command line: /   | 121            |
| <br><b>File Handling Items:</b>   | <br><b>121</b> |
| Number of recent files on File Menu: 16   | 121            |
| File change detection:  | 121            |
| Disable   | 121            |
| Prompt for update when files change   | 121            |
| Automatically update changed files  | 121            |
| When a file is detected as changed and reloaded, make it active   | 121            |
| Ignore file changes if the file was deleted   | 122            |
| Disable line number   | 122            |
| Use of temporary file for editing (Provided for very large file handling)   | 122            |
| Reload files previously open on startup   | 122            |
| Reload FTP files when reloading a project or last open files  | 123            |
| Use default directory from shortcut on initial file open  | 123            |
| Use active file directory for file open dialog default  | 123            |
| Open links (.lnk) files, not the file the link points to  | 123            |
| Change the Read-Only attribute when changing menu setting   | 123            |
| Create new EDIT file when opening with no other files   | 123            |
| Lock file for write while editing   | 123            |
| Use IBM-500 standard for EBCDIC conversion  | 123            |
| <br><b>Load/Save/Conversions</b>  | <br><b>123</b> |
| Unix/Mac file detection/conversion  | 124            |
| Disable   | 124            |
| Detect file type and prompt to change   | 124            |
| Automatically convert to DOS format   | 124            |
| Auto detect UTF-8 files   | 124            |

|  |            |
|--|------------|
| Save file as input format (UNIX/MAC/DOS)   | 124        |
| Open files as Read-Only by default   | 124        |
| Trim trailing spaces on file save  | 124        |
| Create a new file if file specified on command line does not exist   | 124        |
| Remember the Read-Only setting when reloading a file currently open  | 124        |
| Do not convert returns (CR/LF) during EBCDIC conversion  | 125        |
| <b>Display</b>   | <b>125</b> |
| Number of HEX characters per line: 16  | 125        |
| Always on top  | 125        |
| Minimize on last file close  | 125        |
| Minimize to System Tray (not Task Bar)   | 125        |
| Always open editor maximized   | 125        |
| Setting this may improve display issues with ClearType fonts on Windows XP   | 125        |
| Start ruler numbering at column 1  | 125        |
| Maximum columns before line wraps: 20,000  | 125        |
| Count wrapped lines as new lines in number display   | 125        |
| Display file name only in document file  | 126        |
| Show CHM user help files always on top   | 126        |
| Check and show file associations on startup  | 126        |
| Cursor/Caret Type  | 126        |
| Normal: Vertical bar in insert mode/block caret in overstrike  | 126        |
| Always a vertical bar  | 126        |
| Inverted: Block caret in insert mode/vertical bar in overstrike  | 126        |
| <b>Editing</b>   | <b>126</b> |
| Left delimiters for CTRL+Db1 Click: { }<>"   | 126        |
| Right delimiters for CTRL+Db1 Click: { }<>"  | 126        |
| Break on hyphen (-) when converting/reformatting paragraphs  | 127        |
| Disable Left Cursor from going to previous line  | 127        |
| Allow selection of line with mouse in margin   | 127        |
| This setting determines if UltraEdit will allow line selection by clicking/dragging the mouse in the left margin of the edit window. The default setting is checked, allowing the selection.   | 127        |
| Do not auto-complete structure members (items following "." or "->")   | 127        |
| Only recognize DOS terminated lines(CR/LF) as new lines for editing  | 127        |
| Column Mode Overstrike   | 127        |
| No overstrike of unselected columns  | 127        |
| Overstrike if in overstrike mode   | 127        |
| Always overstrike unselected columns   | 127        |
| Default file type for new files  | 128        |
| DOS  | 128        |
| UNIX   | 128        |
| MAC  | 128        |
| Always create new files as UNICODE   | 128        |
| Reformat paragraph after paste when wrap settings set to add hard returns at specific column number  | 128        |
| Show auto-complete dialog automatically  | 128        |
| <b>Find</b>  | <b>128</b> |
| Special character used in Find/Replace strings (normally ^): ^   | 128        |
| Use active file path for Find/Replace in Files default directory   | 128        |
| Display find string dropdown on toolbar  | 128        |
| Set focus to edit window when going to result of List Lines Containing String dialog   | 129        |
| This setting causes UltraEdit to set focus to the edit window rather than the List Lines Containing String dialog when the result is double clicked in the List Lines Containing String dialog. By default this is set but some users requested that focus remain on the List Lines Containing String dialog in this case. | 129        |

|  |                |
|--|----------------|
| <b>Advanced/Problem Solving</b>  | <b>129</b>     |
| Enable old style (pre-v9) toolbars and menus (quicker load times and more compatible with some screen readers) | 129            |
| Check short names against files already loaded to prevent loading of two copies of same file                   | 129            |
| Load/Restore printer settings  | 129            |
| Allow low ASCII values to be entered (usually control codes)   | 129            |
| Reset menus to default state - this will be reset back to 0 after restart                                      | 129            |
| Use larger internal buffers - this may in some cases increase performance on large files                       | 129            |
| Use memory buffers for editing - can increase performance on very large files if you have enough memory        | 130            |
| Allow editing of text files with HEX 00's without converting them to spaces                                    | 130            |
| Delete original file before saving the file  | 130            |
| Copy file instead of using rename when creating backup file  | 130            |
| Always create new file when copying to/from temporary file   | 130            |
| Use registry for settings (not INI file) - This will NOT move the existing items to the Registry               | 130            |
| Skip FTP Close command when connecting to FTP Server   | 130            |
| Use DDE Associations   | 131            |
| <br><b>Edit Configuration Page</b>   | <br><b>131</b> |
| Automatic Line Indentation   | 131            |
| Disable Drag & Drop  | 131            |
| Auto-Completion  | 132            |
| Tab/Word Wrap Change List  | 132            |
| Tab Settings   | 132            |
| Word Wrap command  | 133            |
| <br><b>Find Configuration Page</b>   | <br><b>133</b> |
| Show Slim Find Dialog  | 134            |
| Continue Search at End of File   | 134            |
| <br><b>Backup Configuration Page</b>   | <br><b>134</b> |
| Backup Files on Save   | 134            |
| Default Backup Directory   | 135            |
| Automatic Backup   | 135            |
| <br><b>Spell Checker Configuration</b>   | <br><b>135</b> |
| Options Dialog   | 136            |
| Ignore Capitalized Words   | 136            |
| Ignore All-Caps Words  | 136            |
| Ignore Words with Numbers  | 136            |
| Ignore Words with Mixed Case   | 136            |
| Report Doubled Words   | 136            |
| Case Sensitive   | 136            |
| Phonetic Suggestions   | 136            |
| Typographical Suggestions  | 137            |
| Suggest Split Word   | 137            |
| Match Case in Replacements   | 137            |
| Auto Correct   | 137            |
| Suggestions  | 137            |
| OK button  | 137            |
| Cancel button  | 137            |
| Dictionaries Dialog  | 137            |
| Add File button  | 138            |
| Add Word button  | 138            |
| Close button   | 138            |



|                                       |            |
|---------------------------------------|------------|
| Delete Word button                    | 138        |
| Export button                         | 138        |
| Files list                            | 138        |
| Import button                         | 138        |
| Language                              | 138        |
| New button                            | 139        |
| Remove File button                    | 139        |
| Type                                  | 139        |
| Words list                            | 139        |
| Dictionary Types                      | 139        |
| Exclude:                              | 139        |
| Ignore:                               | 140        |
| New Dictionary Dialog                 | 140        |
| Browse button                         | 140        |
| Cancel button                         | 140        |
| File Name box                         | 140        |
| Language list                         | 140        |
| OK button                             | 140        |
| Type list                             | 141        |
| Check-Spelling Dialog                 | 141        |
| Add button                            | 141        |
| Add Words To list                     | 141        |
| Cancel button                         | 141        |
| Change button                         | 141        |
| Change All button                     | 141        |
| Change To box                         | 141        |
| Consider Changing box                 | 141        |
| Dictionaries button                   | 142        |
| Ignore button                         | 142        |
| Ignore All button                     | 142        |
| Lock Pos. check-box                   | 142        |
| Not in dictionary box                 | 142        |
| Options button                        | 142        |
| Suggest button                        | 142        |
| Suggestions list                      | 143        |
| Dictionary Control Records            | 143        |
| <b>Configure Toolbar</b>              | <b>143</b> |
| Commands                              | 143        |
| Toolbars                              | 144        |
| Use Large Icons On Tool Bar           | 144        |
| <b>Key Mapping</b>                    | <b>144</b> |
| File Containing User Keyboard Mapping | 144        |
| <b>File Type Configuration Page</b>   | <b>144</b> |
| File Open dialog box                  | 145        |
| File Name                             | 145        |
| List Files of Type                    | 145        |
| Drives                                | 145        |
| Directories                           | 145        |
| Read Only                             | 145        |
| Network...                            | 145        |
| File Save As dialog box               | 146        |
| File Name                             | 146        |

|  |                |
|--|----------------|
| Drives   | 146            |
| Directories  | 146            |
| Network...   | 146            |
| <b>File Associations</b>                               | <b>146</b>     |
| Directories Configuration Page                         | 147            |
| Default Save Directory                                 | 147            |
| Default Template Directory                             | 147            |
| <br><b>CHAPTER 13 SYNTAX HIGHLIGHTING FEATURES</b>     | <br><b>148</b> |
| <b>Syntax Highlighting Configuration Page</b>          | <b>148</b>     |
| Language Definition                                    | 149            |
| Line Comments  | 149            |
| Block Comments   | 150            |
| File Extensions/Types                                  | 150            |
| Color Selection  | 151            |
| Case Sensitivity                                       | 151            |
| Strings  | 151            |
| Escape Character                                       | 152            |
| Keywords   | 152            |
| Keywords beginning with a Sub String                   | 152            |
| Words Starting with '/'                                | 153            |
| HTML Specific  | 153            |
| FORTRAN Specific                                       | 153            |
| LaTeX/Tex Specific                                     | 153            |
| Delimiters   | 154            |
| Function Definition Strings                            | 154            |
| Indentation  | 155            |
| Marker Characters                                      | 156            |
| Auto-Correct   | 156            |
| <br><b>CHAPTER 14 COMMAND LINE/INVOCATION FEATURES</b> | <br><b>157</b> |
| <b>Command Line Parameters</b>                         | <b>157</b>     |
| Wildcard characters                                    | 157            |
| File containing list of files to be opened             | 157            |
| <b>DDE Support</b>                                     | <b>159</b>     |
| <br><b>CHAPTER 15 SYSTEM FEATURES</b>                  | <br><b>160</b> |
| Move command (System menu)                             | 160            |
| Next Window command (Document Control menu)            | 160            |
| Size command (System menu)                             | 160            |
| <br><b>CHAPTER 16 WINDOW MANAGEMENT FEATURES</b>       | <br><b>161</b> |
| <b>Window Menu Commands</b>                            | <b>161</b>     |
| <b>Duplicate Window command</b>                        | <b>162</b>     |
| <b>Cascade command</b>                                 | <b>162</b>     |

|  |                |
|--|----------------|
| <b>Tile Horizontal command</b>                                 | <b>162</b>     |
| <b>Tile Vertical command</b>                                   | <b>162</b>     |
| <b>Next Window command</b>                                     | <b>162</b>     |
| <b>Previous Window command</b>                                 | <b>162</b>     |
| <b>Arrange Icons Command</b>                                   | <b>162</b>     |
| <b>Close All Files</b>   | <b>162</b>     |
| <b>Show File in Browser</b>                                    | <b>163</b>     |
| <b>Synchronized Scrolling</b>                                  | <b>163</b>     |
| <b>1, 2, ... command</b>                                       | <b>163</b>     |
| <br><b>CHAPTER 17 HELP FEATURES</b>                            | <br><b>164</b> |
| <b>Help menu commands</b>                                      | <b>164</b>     |
| <b>Index command</b>   | <b>164</b>     |
| <b>Add Help Files</b>  | <b>164</b>     |
| <b>Using Help command</b>                                      | <b>164</b>     |
| <b>About command</b>   | <b>164</b>     |
| <br><b>APPENDIX 1 KEYBOARD COMMANDS</b>                        | <br><b>165</b> |
| <br><b>APPENDIX 2 REGULAR EXPRESSIONS</b>                      | <br><b>168</b> |
| <b>Regular Expressions (UltraEdit Syntax):</b>                 | <b>168</b>     |
| <b>Regular Expressions (Unix Syntax):</b>                      | <b>169</b>     |
| <br><b>APPENDIX 3 INI FILE SELECTION AND ADVANCED SETTINGS</b> | <br><b>171</b> |
| <b>Telling UltraEdit Which INI File to Use</b>                 | <b>171</b>     |
| <b>Advanced INI Settings</b>                                   | <b>171</b>     |
| AllowZeros = 1   | 171            |
| Auto Reformat = 1  | 171            |
| Caret Char = "some character"                                  | 172            |
| Caret Type = 0,1,2   | 172            |
| Change Read Only = 1   | 172            |
| Column Overstrike =1   | 172            |
| Compare EXE="fully qualified path of EXE"                      | 172            |
| ConvertKBDInput = 1  | 172            |

|   |                |
|---|----------------|
| Create New File = 1   | 172            |
| Default File Type = 0, 1 or 2                               | 173            |
| Delete Before Save = 1                                      | 173            |
| DisableFlatToolBar = 1                                      | 173            |
| DontUseRename = 1   | 173            |
| Html Tidy Config File= "fully qualified filename in quotes" | 173            |
| Ignore File Delete=1  | 173            |
| Large File Buffers = 1                                      | 173            |
| Lock File = 1   | 173            |
| Make Changed Files Active                                   | 173            |
| = 1   | 174            |
| Max Columns =   | 174            |
| New File = 0  | 174            |
| No Temp Confirm = 0   | 174            |
| NoLeftCursorToPrevLine = 1                                  | 174            |
| One Based Ruler = 1   | 174            |
| Open Link Files = 1   | 174            |
| Open Maximized = 1  | 174            |
| Reload FTP Files = 1  | 174            |
| Show Tag Descriptions = 1                                   | 174            |
| Temp File Dir   | 175            |
| TitleNameOnly = 0   | 175            |
| UType = 2   | 175            |
| Use DDE Associations = 0                                    | 175            |
| Use Registry = 1  | 175            |
| <br><b>APPENDIX 4 MACRO PARAMETERS</b>                      | <br><b>176</b> |
| <br><b>APPENDIX 5 – INSTALLATION AND REGISTRATION</b>       | <br><b>187</b> |
| <b>Installation Options</b>                                 | <b>187</b>     |
| PC/Network Installation                                     | 187            |
| Silent Installation   | 187            |
| <br><b>Obtaining Authorization Information</b>              | <br><b>188</b> |
| <br><b>Uninstall or Overwrite?</b>                          | <br><b>188</b> |
| <br><b>APPENDIX 6 – LICENSE AGREEMENTS</b>                  | <br><b>189</b> |
| <br><b>License Agreement – Unregistered</b>                 | <br><b>189</b> |
| <br><b>License Agreement – Registered</b>                   | <br><b>190</b> |
| <br><b>INDEX</b>  | <br><b>192</b> |

## Chapter 1 Text Input and Cursor Movement

### ***Insert/Overstrike Modes***

UltraEdit allows editing in both insert and overstrike modes. The mode of operation is indicated in the status bar at the bottom right of the UltraEdit window. The insert/overstrike mode is changed with the INSERT key. The mode is toggled when the INSERT key is pressed.

If insert mode is selected, the second area of the status bar is clear, if overstrike mode is selected, the second area of the status bar shows 'OVR'.

Insert mode causes a key to be inserted into the document at the position of the cursor. Overstrike mode causes the character immediately to the right of the cursor to be overwritten by the new character.

If the active editor window is in HEX mode, the active window is always in overstrike mode. To insert text in HEX mode, use the HEX Insert/Delete selection from the Edit menu or the keyboard shortcut CTRL + D.

### ***Inserting Special Characters***

Special support has been added to UltraEdit to allow characters not supported on American keyboards to be easily inserted. These are as follows:

|              |                                    |
|--------------|------------------------------------|
| Ctrl+Shift+A | Inserts ä character                |
| Ctrl+Shift+A | Inserts Ä character (Caps Lock on) |
| Ctrl+Shift+O | Inserts ö character                |
| Ctrl+Shift+O | Inserts Ö character (Caps Lock on) |
| Ctrl+Shift+U | Inserts ü character                |
| Ctrl+Shift+U | Inserts Ü character (Caps Lock on) |
| Ctrl+Shift+S | Inserts ß character                |
| Ctrl+Shift+S | Inserts ß character (Caps Lock on) |

It is also possible to insert any character listed in the ASCII Table in the View menu by holding down the ALT key while typing in the four digit decimal value of the character on the numeric keypad. For example, "¿" may be inserted by holding down the ALT key while typing "0191" and "Æ" may be inserted by holding down the ALT key while typing "0198".

### ***Drag and Drop Editing***

UltraEdit supports dragging and drop editing using the mouse. Drag and drop editing allows the user to select text in the normal manner and then copy or move the selected text by dragging it to a new location with the mouse. No keyboard interaction is required.

Initially the user selects text in the normal manner. Once text has been selected, the user may click the primary mouse button (usually the left button) on the selected text, at which time the mouse pointer changes to a pointer with a small dotted rectangular box at the bottom of the pointer. This pointer indicates you are in the drag and drop editing mode and may drag the selection to a new location.

While keeping the primary mouse button down the selected text may be dragged to a new location. As you move the mouse the cursor will follow the mouse and the cursor indicates the new position of the text if you stop pressing the mouse button (and “drop” the text).

The user may even drag the text from one file to another within UltraEdit. If the mouse is positioned over a different file within UltraEdit, that file will become active and the text may be dropped into that file at the cursor position shown.

At any time, pressing ESCAPE will cancel the drag and drop mode.

Additionally, instead of moving the text being dragged it may be copied to a new location. If at any time while in the drag and drop mode the CTRL key is pressed and held the mouse pointer changes to have a small ‘+’ symbol beside it indicating the text will be copied to the new location indicated by the cursor and also remain in the original position.

Drag and Drop editing is supported in normal, HEX and Column editing modes.

## **Drag and Drop Files**

UltraEdit supports dragging and dropping files from the File Manager into an open session of UltraEdit. Files may be selected from the File Manager (multiple files may be selected) and dragged into the UltraEdit window. If the mouse button is released with the mouse over UltraEdit the files selected will automatically be opened for editing with UltraEdit.

## ***Cursor Movement***

Following are several methods for moving the cursor within a document in UltraEdit:

### **Cursor Arrows**

The “up”, “down”, “right” and “left” arrows will move the cursor one character or line as indicated.

Holding down the CTRL key while using the “left” or “right” cursor arrows will move the cursor left and right to the beginning of the previous/next word.

Holding down the CTRL key while using the “up” or “down” keys does not affect the cursor position, but moves the text within the editor window up or down respectively. If the text is moved enough for the cursor to meet the upper or lower edge of the editor window the cursor will then move from line to line as it does when normally using the “up” and “down” arrows.

Holding down the ALT key while using the “left” or “right” cursor arrows will move the cursor to the beginning of the previous/next paragraph.

### **Home and End**

The “Home” key moves the cursor to the beginning of the line the cursor is on. Holding down the CTRL key while using the “Home” key moves the cursor to the beginning of the document.

The “End” key moves the cursor to the end of the line the cursor is on. Holding down the CTRL key while using the “End” key moves the cursor to the end of the document.

### **Page Up and Page Down**

The “Page Up” key moves the cursor up one page. Holding down the CTRL key while using the “Page Up” key moves the cursor to the top of the edit window.

The “Page Down” key moves the cursor down one page. Holding down the CTRL key while using the “Page Down” key moves the cursor to the bottom of the edit window.

## ***Scrolling***

UltraEdit supports several methods for scrolling. These are listed below:

### **Vertical Scrolling**

Vertical scrolling is performed with one of the following methods:

Vertical scroll bar

IntelliMouse Support

Ctrl+Up/Down arrows for scrolling up or down by one line while leaving the cursor on the current line

### **Horizontal Scrolling**

Horizontal scroll bar

### ***Text Selection/Highlighting***

Holding down the "Shift" key while cursoring with the arrows as described above highlights the text the cursor passes showing that the highlighted text is selected for edit.

Holding down the CTRL and the "Shift" key while using the left or right cursor arrows highlights one complete word at a time for editing, moving to the beginning of the previous/next word as described above.

Holding down the CTRL and the "Shift" key while using the up or down cursor arrows highlights all text between the starting and ending position of the cursor.

Holding down the CTRL and the "Shift" key while using the "Home" key will highlight all text from the beginning cursor position to the beginning of the document being edited.

Holding down the CTRL and the "Shift" key while using the "End" key will highlight all text from the beginning cursor position to the end of the document being edited.

When the Shift Key is pressing at the same time as performing the following functions the current selection (if present), or a new selection will be extended to select text up to the cursor position following the command:

Find Next/Previous

Goto

Goto Bookmark

The Shift Key should be pressed at the time the action for command takes place, not on the command that shows the dialog. For example, if Ctrl+G displays the Goto Dialog and OK is clicked to perform the Goto, the Shift Key is pressed when the OK is clicked, NOT when the Ctrl+G is pressed to display the dialog.

## Double Click Selections

UltraEdit allows for selection of text by double clicking the primary mouse button (usually the left button). Normally a single word is selected made up of any alphanumeric character or underscore '\_'.

If at the time the primary mouse button is double clicked the control key is pressed, a string is selected rather than just a single word. This can be very useful in selecting filenames, e-mail addresses etc. The characters that delimit the string are configurable in the General Options configuration page. This function works on a single line only.

These entries, one for the left edge of the text to be selected and one for the right edge specify what characters should be used to stop any further text from being selected. If a space only is specified in each field all text either side of the cursor position will be selected until a space is encountered.

If text is selected when the right mouse button is pressed, a new menu item "Open File Highlighted" is added to the top of the pop-up menu and if selected the file is opened if it exists.

If the primary mouse button is double clicked between two space characters all of the contiguous space characters will be selected (not beyond the end of line).

## Blocking Text

In Column Mode the operation of the editor is changed for selecting text. When column mode is selected highlighted text is based on the character column position of the first character selected to the column of the last character of text selected. Text selected in this mode does not automatically include all text between the start and end position, but includes all text in the columns between the first and last character selected. Column mode editing is sometimes referred to as block mode editing as the act of selecting text forms a rectangle.

## Unicode and UTF-8 Support

UltraEdit provides support for Unicode (16-Bit wide character) files, and for UTF-8 files.

UltraEdit allows direct editing of Unicode files and UTF-8 files as well as conversion routines between ASCII/ANSI and Unicode or UTF-8.

UltraEdit attempts to detect the file type when the file is loaded. It will look for the FFFE marker for Unicode files. For UTF-8 it will look for one of the following three occurrences:

- 1) File marker (BOM) EF, BB, BF.
- 2) String occurrences "charset=utf-8"
- 3) It will interrogate the file and look for the occurrence of valid UTF-8 multi-byte characters

If the file is found to be Unicode, it will be treated as such and the status bar will indicate this with "U-" being displayed in front of the file type in the status bar.

If the file is found to be UTF-8, it will be treated as such and converted internally to Unicode (16-Bit) for editing. The status bar will indicate this with "U8-" being displayed in front of the file type in the status bar. When the file is saved, it will be converted back from Unicode to UTF-8 and saved in this format.

Handling internally as Unicode allows the Unicode character messages from the OS to be used for character input. Additionally, the WM\_UNICHAR message used in some versions of Windows and with some applications is supported by UltraEdit allowing Unicode characters to be entered on versions of the OS that do not support Unicode natively (Windows 95/98/Me).



The following conversions to and from Unicode/UTF-8 are available:

|                                      |   |
|--------------------------------------|---|
| ASCII to Unicode                     | converts from ASCII to Unicode  |
| UTF-8 to Unicode                     | converts from UTF-8 to Unicode (16-Bit)   |
| Unicode to ASCII                     | converts from Unicode to ASCII  |
| UTF-8 to ASCII                       | converts from UTF-8 to ASCII  |
| ASCII to UTF-8 (Unicode Editing)     | converts from ASCII to UTF-8 with the file internally in UNICODE format for editing   |
| Unicode/UTF-8 to UTF-8 (Unicode)     | converts the file from either Unicode or UTF-8 (non Unicode internally) to UTF-8 with the file internally in UNICODE format for editing           |
| Unicode/ASCII/UTF-8 to UTF-8 (ASCII) | converts from Unicode, ASCII or UTF-8 (Unicode format internally) to UTF-8 but leaves the file in non-unicode (ASCII display) format for editing. |

Unicode file support within UltraEdit is provided on Windows 95, 98, Me, NT and 2000.

As not all operating systems natively support Unicode certain functions convert from Multi-Byte to Unicode or from Unicode to Multi-Byte. If the active code page (see Windows documentation/help) does not support the characters then the conversion will not convert correctly.

The functions that convert between Multi-Byte and Unicode include Find/Replace and Column Insert.

## Chapter 2 File Management

This section describes the file management options available within UltraEdit. It will show the various methods for opening, closing, and deleting files. It will also explain how to sort and compare files as well as how to convert files from different formats.

This section further describes the page setup and printing options for files. Finally this section will discuss options for using favorite file lists and project lists within UltraEdit.

The following topics will be covered:

### File Management:

- File Menu Commands
- Creating Files
- Saving Files
- Opening Files
- Closing Files
- FTP - Open from FTP
- FTP - Save As to FTP
- Revert to Saved
- Deleting Active Files
- Comparing Files
- Inserting Files
- Inserting A String At Every Increment
- Sending mail
- Large file handling

### File Conversion:

- UNIX/MAC to DOS
- DOS to MAC
- DOS to UNIX
- ASCII to EBCDIC
- EBCDIC to ASCII
- ANSI to OEM
- OEM to ANSI

### Sorting Within A File:

- Ascending Sort
- Descending Sort
- Remove Duplicates
- Ignore Case
- Starting Column

### Print command

### Print Preview command

### Page Setup:

- Header & Footer Setup
- Justification
- Date & Time Codes
- Margin Setup
- Page Break
- Wrap Text When Printing
- Print Line Numbers
- Print Two Pages on One Sheet
- Print Syntax Highlighting

### Print Setup:

- Default Printer
- Page Orientation
- Paper Size

- Paper Source
- Print Options
- Network Printing
- Favorite Files List:
  - Opening a File
  - Closing a File
  - Adding a File
  - Adding the Active File
  - Removing a File
- Recent Files submenu
- Recent Projects/Workspaces submenu
- Exiting UltraEdit

## ***File Menu Commands***

The File menu offers the following commands:

|                             |   |
|-----------------------------|---|
| New                         | creates a new document  |
| Open                        | opens an existing document  |
| Quick Open                  | opens an existing document allowing entry of name without browse dialog |
| Close                       | closes an opened document   |
| Close All Files             | closes all opened documents   |
| Close All Files Except This | closes all opened documents excluding the active document               |
| FTP Open from FTP           | opens an existing document from an FTP site                             |
| FTP Save As to FTP          | saves an opened document to a specified file name on an FTP site        |
| Revert to Saved             | reverts to last saved form of current document                          |
| Save                        | saves an opened document using the same file name                       |
| Save As                     | saves an opened document to a specified file name                       |
| Save All                    | saves all modified documents using the same file names                  |
| Save Selection As           | saves selection to a new file   |
| Make Copy/Backup            | makes a copy/backup of active file                                      |
| Rename File                 | renames active file   |
| Compare Files               | compares two ASCII files  |
| Sort File                   | sorts the file based on current sort options                            |
| Advanced Sort/Options       | advanced sort options   |
| UNIX/MAC to DOS             | converts the file format from UNIX or MAC to DOS                        |
| DOS to MAC                  | converts the file from DOS to MAC format                                |
| DOS to UNIX                 | converts the file from DOS to UNIX format                               |
| EBCDIC to ASCII             | converts the file from EBCDIC to ASCII format                           |

|                                  |  |
|----------------------------------|--|
| ASCII to EBCDIC                  | converts the file from ASCII to EBCDIC format  |
| OEM to ANSI                      | converts the file from OEM to ANSI format  |
| ANSI to OEM                      | converts the file from ANSI to OEM format  |
| ASCII to Unicode                 | converts the file from ASCII to Unicode format   |
| UTF-8 to Unicode                 | converts the file from UTF-8 to Unicode  |
| Unicode to ASCII                 | converts the file from Unicode to ASCII format   |
| UTF-8 to ASCII                   | converts the file from UTF-8 to ASCII  |
| ASCII to UTF-8                   | converts the file from ASCII to UTF-8 (Unicode editing)  |
| UNICODE/UTF-8 to UTF-8           | converts the file from UNICODE/UTF-8 to UTF-8 (Unicode editing)  |
| UNICODE/ASCII/UTF-8 to UTF-8     | converts the file from UNICODE/ASCII/UTF-8 to UTF-8 (ASCII editing)  |
| Insert File                      | inserts a file into the active document  |
| Delete Active File               | deletes the disk file associated with the active window and closes the window losing all changes   |
| Send Mail                        | sends file via mail to recipients  |
| Insert String At Every Increment | inserts a string at the specified increment in the file  |
| Print                            | prints a document  |
| Print All Files                  | prints all open documents  |
| Print Preview                    | displays the document on the screen as it would appear printed   |
| Page Setup                       | sets up page headers and footers for printing  |
| Print Setup                      | selects a printer and printer connection   |
| Favorite Files                   | opens favorite files or manage the list  |
| Recent Files                     | opens recent files (this may be set up as part of the File Menu rather than a submenu via the Recent Files Menu on File Menu option on the General Configuration Page) |
| Recent Projects/Workspaces       | opens recent projects/workspaces (may be replaced with the Project submenu by deselecting the Project Menu on Main Menu option on the General Configuration Page)      |
| Exit                             | exits UltraEdit  |

## ***Creating Files***

### **New command**

Use this command to create a new document. UltraEdit opens a blank page for you to edit. Global configurations will apply, but settings that vary from document to document will need to be reapplied. Shortcut: CTRL+N

## ***Opening Files***

### **Open command**

Use this command to open an existing document (file) in a new window. You can open multiple documents at once. Use the Window menu or file tabs to switch among the multiple open documents. This command presents the File Open dialog. This allows multiple files to be selected and opened at one time. Dragging files from the File Manager into UltraEdit's window and dropping them (releasing the mouse button) will also open them.

Shortcut: CTRL+O

### **File Open Dialog Box**

The following options allow you to specify which file to open:

#### **File Name**

Type or select the filename you want to open. This box lists files with the extension you select in the List Files of Type box.

#### **List Files of Type**

Select the type of file you want to open.

#### **Drives**

Select the drive in which UltraEdit finds the file that you want to open.

#### **Directories**

Select the directory in which UltraEdit finds the file that you want to open.

#### **Read Only**

Check this item to open a file in a read-only manner. Modifications will be disabled.

#### **Network**

Choose this button to connect to a network location, assigning it a new drive letter.

UltraEdit allows multiple files to be selected from the file list and opened at one time (Except UltraEdit-32 on Windows NT<sup>†</sup>). To select multiple files, select the first file from the list, then with the CTRL key pressed, select other files in the list. When all files are selected, select OK and the selected files will be opened.

Dragging files from the File Manager into UltraEdit's window and dropping them (releasing the mouse button) will also open files.

## Quick Open command

Use this command to quickly open a file without the delay of showing a file browse dialog. The directory from which the file is to be opened is shown in the dialog. Relative paths as well as the filename may be entered.

With this command it is also possible to open with wildcards such as "\*.txt".

The checkbox **Open all matching files from sub directories** instructs UltraEdit to recursively search all sub directories of the specified path (or default path) and open all files that match the specified name.

The file selected will be opened or an error displayed.

## Closing Files

### Close command

Use this command to close all windows containing the active document. UltraEdit suggests that you save changes to your document before you close it. If you close a document without saving, you lose all changes made since the last time you saved it. Before closing an untitled document, UltraEdit displays the Save As dialog box and suggests that you name and save the document. You can also close a document by using the Close icon on the document's window.

### Close All Files command

Use this command to close all files currently open in the edit window. UltraEdit suggests that you save changes to your document before you close it. If you close a document without saving, you lose all changes made since the last time you saved it. Before closing an untitled document, UltraEdit displays the Save As dialog box and suggests that you name and save the document.

Note: If documents that are part of a project are closed using this command, UltraEdit will not automatically reopen these documents upon the next use of the project. If you wish to reopen files upon the next use of the current project, choose a different project and UltraEdit will present a dialog box asking if you wish to close the currently opened files. Files closed in this manner will be reopened when you return to a project.

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<sup>†</sup> The normal operation of Windows NT does not permit the selection of long filenames and multiple selection from the open dialog. To facilitate both operations, the open dialog box normally allows single selection with long filenames. If, however, the SHIFT key is pressed while the file open dialog is invoked multiple selections are permitted with short file names.

## **FTP<sup>†</sup>**

### **FTP Accounts**

This dialog allows user FTP accounts to be configured. The accounts are used for FTP Open and FTP Save As commands.

An account specifies the server to be connected to and the user identification that will be used to connect to the server.

The New Account button allows you to specify a new account name. The account to modify may be selected from the list of accounts. If any changes have been made to the account a prompt will be shown asking if the changes should be kept.

The following items may be configured for each account:

#### **Domain or IP Address**

This is the ftp site that you wish to connect to such as ftp://ftp.idmcomp.com. This may also be entered as ftp.idmcomp.com. If preferred the IP Address in the form xxxx.xxxx.xxxx.xxxx may be entered.

#### **Name**

This is the username used to log into the server. The default username is anonymous as this is typically used for anonymous log in to FTP accounts.

#### **Password**

This is the password used with the username to log into the server. The default username is @. This should be the password for the username as provided by the site administration, or for anonymous log in this is typically the e-mail address of the user.

#### **Save Password**

This checkbox determines if UltraEdit will save the password for later reference. If not the user will be prompted for the password as required. Note: if the password is saved it is stored on the system. It is encrypted however the encryption mechanism is unsophisticated and should not be relied upon as a method of security.

#### **User Account**

This allows the user to specify an account on the host server when logging. This is only required with some servers.

#### **Secure (SFTP – SSH2)**

This instructs UltraEdit to only connect with SECURE FTP (SFTP) with the SSH2 protocol. All transfers are encrypted and the encryption algorithm is negotiated with the server. If this is set, the transfer dialogs will show a "lock" symbol indicating the transfer is secure.

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<sup>†</sup> FTP is only available in the 32 bit version of UltraEdit.

## Initial Directory

This is the initial directory to connect to on the FTP server. This is not required. If this is NOT specified, UltraEdit will remember the last directory for the account each time the user connects to the server.

## Local Copy Directory

This allows the user to specify where a local copy of the file should be saved automatically when a file is saved. If this is blank no local copy is made. If this is not empty, when an FTP Save occurs (not Save As) a copy of the file is saved in the specified directory. If another file exists with the same name it will be overwritten without warning. The local copy is made prior to the FTP Save.

## FTP/Proxy Port

This is the port used by UltraEdit for FTP protocol. The default is 21. This may be changed if required. If using the proxy it is the port used to connect to the proxy for FTP protocol.

## Proxy/Firewall Settings

If connecting directly to the Internet the proxy settings should not be enabled. If connecting via a proxy on a LAN it will be necessary to set up the proxy settings.

## Use Proxy

This enables the proxy settings and configures this account to connect through the specified proxy.

## Proxy Server

This is the name of the server (or IP address) that is used for the proxy. If you do not know this name check with your system administrator.

The Advanced button provides for additional configuration items for the account.

Use the Delete button to delete an account.

## FTP Accounts – Advanced

This dialog allows additional configuration for FTP user accounts. The accounts are used for FTP Open and FTP Save As commands.

The following items may be configured for each account:

### Cache password for session if not saved

If this is checked the password for the account once entered is cached for the period UltraEdit is running and will not need to be reentered. If the password is entered incorrectly and needs to be changed entering the Accounts dialog and leaving it will clear out the cache.

### Domain or IP Address

This allows the transfer type of ASCII or Binary to be set for the account. Binary transfers the file byte for byte with no modification. ASCII causes the file to be appropriately converted for line terminations between different systems.



## Passive Transfers

Some Firewalls require that the passive mode be used to allow connection. If you have trouble connecting to an account via a Firewall it may be necessary to enable the Passive Transfer mode.

If you attempt to connect via FTP and receive the error message "Port Command Failed. 500 Invalid Port Command" experience has shown that selecting the Passive Transfer mode corrects this error in most cases.

## Server Type

For most FTP servers the default Auto or Unix should work without problem. However this provides for connection to servers that need special handling. The list of servers supported is expected to grow. Currently supported are:

AIX

AS400

Auto

File Name Only - this takes the first field returned and displays it as the filename

MVS

OS9000

Stratus VOS - The "Full Path Leading Character" should be set to "%" and the "Path/Node Separator Character" should be set to ">".

UNIX

VAX/VMS

## Full Path Leading Character

This allows the user to override the leading character (normally /) for the full path of a file on the server. If using a server type other than Normal you should not need to change this.

## Path/Node Separator Character

This allows the user to override the character (normally /) used between directories/nodes on the server.

If using a server type other than Normal you should not need to change this.

## Secure (SFTP – SSH2)

This instructs UltraEdit to only connect with SECURE FTP (SFTP) with the SSH2 protocol. All transfers are encrypted and the encryption algorithm is negotiated with the server. If this is set, the transfer dialogs will show a "lock" symbol indicating the transfer is secure.

## Authentication

This allows the user to specify the type of authentication to be used with the server. The following methods are supported:

- Password Only – This requires the username/password to be provided and no public/private key pair is used.
- Public Key Only – This requires the use of the public/private key pair to be used. The private key location must be specified in the "Private Key Path".

- Password and Public Key – This allows the user to specify the public/private key and/or the username/password.

If the method used requires a key, the “Key requires Password” option allows the user to indicate that the private key is password protected. If this is the case, the user will be prompted for the password once per session, or after changing the account settings.

The server must support the authentication method. The keys used should be in OpenSSH or PuTTY format and may be RSA or DSA type keys.

## **Open from FTP**

Use this command to open a file via FTP. This command presents a custom dialog that allows selection of the site/account to browse.

A list of configured accounts is shown and any of the accounts may be selected. If a new account is selected from the list UltraEdit automatically tries to connect to the site and browse it.

A new account must be configured for each site to be connected to as each site may have a different name, password, directory etc.

When the dialog is displayed the browse button will display the list of files for the given site. Double clicking on any of the directories shown in the list will attempt to change to the specific directory.

The directory list may be filtered to show a sub-set of files by specify a filter in the "Filter" text field. Additionally the "Hide Directories" check box will cause directories not to be shown.

To open a file, either double-click on the file or select it and click on the Open button. To open multiple files hold the CTRL key and click on the files to be opened. To open a group of files, click on the first file in the list you wish to open and hold the SHIFT key while clicking on the last file in the group to be opened. All files between the first and last file will be selected. The transfer progress will be shown as the file is transferred.

Additionally the Change Directory button may be used to type in a directory to change to.

While an operation is in progress a warning will be shown if an attempt to start another operation is made, or canceling the dialog is requested.

While files are being transferred, or a site is being connected to the dialog will show the current status.

By default after the file is retrieved and open the dialog will be closed if the option Close Dialog After Open is set. This option may be cleared to have the dialog remain open.

From this dialog additional FTP functionality is available:

## **Refresh**

This refreshes (rereads) the directory information from the host server.

## **Create Dir**

This creates a new directory on the host server. No checking of the name or syntax is performed; any errors are reported back from the host server.

## **Permissions**

This allows the file permissions to be set on a remote file. This will only work on servers that recognize the FTP Site command chmod. Typically this would only be a UNIX/Linux server.

## Rename

This renames a remote file or directory on the host server.

## Delete

This deletes a remote file or directory on the host server.

## Transfer Type

This allows the transfer type of ASCII or Binary to be set for the account. Binary transfers the file byte for byte with no modification. ASCII causes the file to be appropriately converted for line terminations between different systems.

## Show Log

If checked, a log of the session showing all commands send to and data received from the FTP server is shown in a window in place of the directory listing. The user may reposition within the window and the contents of this window may be copied using the clipboard.

## Save As to FTP

Use this command to save an open document/file via FTP. This command presents a custom dialog that allows selection of the site/account to browse.

A list of configured accounts is shown and any of the accounts may be selected. If a new account is selected from the list UltraEdit automatically tries to connect to the site and browse it.

A new account must be configured for each site to be connected to as each site may have a different name, password, directory etc.

When the dialog is displayed the browse button will display the list of files for the given site. Double clicking on any of the directories shown in the list will attempt to change to the specific directory.

The directory list may be filtered to show a sub-set of files by specify a filter in the "Filter" text field.

To save the file, type in the filename or click on an existing filename and click the Save As button. The transfer progress will be shown as the file is transferred.

While an operation is in progress a warning will be shown if an attempt to start another operation is made, or canceling the dialog is requested.

While files are being transferred, or a site is being connected to the dialog will show the current status.

From this dialog additional FTP functionality is available:

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## Rename

This renames a remote file or directory on the host server.

## Delete

This deletes a remote file or directory on the host server.

## ***Revert to Saved***

Use this command to return to the last saved state of the file currently being edited. In the case of multiple changes or untracked changes to a file this can be more effective for restoring good data than repeating nested undo's. If automatic backup settings cause the user to find that the reverted state of the document is not what was expected one should check the .BAK file.

## ***Saving Files***

### **Save command**

Use this command to save the active document to its current name and directory. When you save a document for the first time, UltraEdit displays the Save As dialog box so you can name your document. If you want to change the name and directory of an existing document before you save it, choose the Save As command. Shortcut: CTRL+S

### **Save As command**

Use this command to save and name the active document. UltraEdit displays the Save As dialog box so you can name your document. To set a default directory for use by the Save As command use the Default Save Directory setting found in Configuration under the Advanced menu. To save a document with its existing name and directory, use the Save command.

### **Save All command**

Use this command to save all modified documents to their current name and directory. When you save a document for the first time, UltraEdit displays the Save As dialog box so you can name your document. If you want to change the name and directory of an existing document before you save it, choose the Save As command.

## Save Selection As command

Use this command to save the current selection to a new file. UltraEdit displays the Save As dialog box so you can name your document.

## Case Sensitive File Names

UltraEdit will read and write a file without changing the case of the file name. If you are working with a mapped drive, experience has shown that changes to filename case are usually due to changes made by the client software used to map the drive.

You may test this by reading/writing a file to a local disk.

## Make Copy/Backup

This allows the user to make a backup copy of the active file (with any current changes) without affecting the active file.

The active file maintains the current file name and does not change name unlike the Save As command.

## Rename File

This command allows the user to rename the active file. It presents a dialog allowing the user to specify the new name. Only the name should be entered, the path will be the same as the existing path.

If the file cannot be renamed, or the new name is invalid an error message will be shown.

## Compare Files<sup>†</sup>

This menu item allows two ASCII files to be compared. The files are compared and if found to be identical no further action is taken. If the files are different, the files are shown in separate windows with the differences highlighted. The file comparison performs a line-by-line comparison. When the compare files menu item is selected, a dialog box is displayed that allows you to select the files to be compared.

The compare files function is only designed to work with ASCII text files. If files other than ASCII are selected for comparison the results returned are undetermined and should be used with caution.

The file compare dialog allows the user to select the following options:

## Differences in color

This option will display differences in two different colors, one for lines added and another for lines that have been removed. Additionally, lines will be indicated with a !> if they are new in the second file and <! if they have been removed in the second file.

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<sup>†</sup> With the 16-bit version of UltraEdit, the compare feature requires Win32s to be installed. This function will not work on Windows 3.x without Win32s.

## Differences Side-by-Side

This determines if the file differences are shown side by side. In this case, the scroll bar will need to be used to see both files. The side by side view is a combination of the normal differences view, and two files being shown vertically side by side with the differences appearing on different lines. The file differences are synchronized so that portions of the files that are the same show up beside each other.

## Ignore Blanks

This option is used to allow the file comparison to ignore differences that are only white space characters (spaces, tabs). If this option is selected, lines are considered identical if the only difference is white space.

## Only Show Lines That Differ

With this option set the window showing the file differences will only show the lines that are different between the two files. Lines that are identical will not show in the window. When compare is selected in the dialog, the two files to be compared are opened in the editor and shown vertically beside each other. All other files are minimized. When the file differences are shown in the compare window, double clicking on the compare window positions the files being compared at the appropriate line within the editor for easy editing. Any changes to the files will need to be saved and a new compare performed to update the compare window for correct line number positioning.

The compare function can handle very large files, however it may not be able to handle files as large as those that may be edited within UltraEdit due to its memory requirements for the compare operation.

## Saving/Printing Output

Once the compare is complete you may choose to save the output to a file for future reference by pressing the Save button or F12 and assigning a file name to the output. If you prefer you may print the output by pressing the Print button.

## Advanced Sort and Options

This command allows you to set the sort options and perform a sort of the active file. The sort is performed on the complete file unless a portion is selected. If a portion is selected, just the selected portion will be sorted. However ALL the lines selected will be sorted, not just selected columns if in column mode. The UNDO command is not **supported with sort operations**.

When this option is selected, a dialog is presented with the following options:

### Sort Order

- |            |   |
|------------|---|
| Ascending  | sets the sort for ascending order (a to z, 1-9) and is the default. |
| Descending | sets the sort for descending order (z to a, 9-1).                   |

## **Remove Duplicates**

If this is checked any lines that are found to be identical to another are removed; the first line is preserved. If the Ignore Case option is set, lines are considered identical if the characters are the same with the only difference being the case of them.

## **Ignore Case**

This option should be checked if you want the search to be insensitive to case, i.e. CAT is considered the same as cat. Do not check this option if the sort should consider CAT different from cat.

## **Sort Columns**

Up to 4 sort keys may be selected to sort on. Each sort key contains a range of columns that will be sorted. The normal value for the range is from column 1 to 9216.

The start and end columns for unused keys should be set to 0. If multiple keys are used, the sort order is based on the first key, followed by the second key etc.

To sort by complete line, set the start column to 1 and the end column to -1. If any key has a value of -1 for the end column the sort will be from the start column to the end of line. If Any key is set to sort the complete line, the rest of the sort keys will be ignored.

If the start column is 0 for any sort key (and not sorting by line) the start column will be the column of the cursor.

Sorting performance is better when less keys are used and when less columns are sorted on.

The sort uses memory mapped files and virtual memory. In some cases it may be necessary to use an alternate sort that allows the user to specify where the temporary files will be used. If this is the case the "Alternate Sort not using Virtual Memory" should be checked and only a single sort key may be used (and non-numeric). This is exactly the same as earlier versions that only supported single keys.

These options are saved between UltraEdit sessions and are used by the Sort File command.

## **Use Locale(Slower)**

This specifies that the sort should be locale specific. For some languages (e.g. German) this is required to change the default sort order. The locale to be used can be specified under the Advanced Menu and Set Code Page/Locale. When using this setting the sort may be slower than when not doing so.

## ***File Conversion***

### **UNIX/MAC to DOS**

Use this command to correct the end of line characters for display in UltraEdit and other text editors. Some documents generated from UNIX based systems (and some other systems) do not terminate each line with a carriage return and linefeed. UltraEdit requires all lines to be terminated with a carriage return and linefeed character.

This command searches the file for all carriage return and linefeed characters. If a carriage return character is found without an accompanying linefeed character, a linefeed character is added. If a linefeed character is found without a preceding carriage return character a carriage return character is inserted. If a linefeed is found preceding a carriage return the characters are reversed.

To convert a file to UNIX format, use the DOS to UNIX command.

To convert a file to MAC format, use the DOS to MAC command.

### **DOS to MAC**

Use this command to convert the file to a Macintosh format. This will replace the carriage return and line feed combinations to a carriage return only.

To convert a file from UNIX or MAC format, use the UNIX/MAC to DOS command.

### **DOS to UNIX**

Use this command to convert the file to a UNIX format. This will replace the carriage return and line feed combinations to a line feed only.

To convert a file from UNIX or MAC format, use the UNIX/MAC to DOS command.

### **ASCII to EBCDIC**

This function converts the complete file from ASCII to EBCDIC format. This is useful in dealing with files that need to be exported in the EBCDIC file format (usually on Mainframe computer systems).

To convert a file from EBCDIC to ASCII format, use the EBCDIC to ASCII command.

### **ANSI to OEM**

Use this command to convert a file that uses the ANSI (Windows) character set to the OEM (DOS) character set.

To convert a file from OEM to ANSI, use the OEM to ANSI command.



## **ASCII to Unicode**

This function will convert the complete file from ASCII to Unicode (16-bit wide characters).

The conversion uses the active code page. For information on code pages see the Windows documentation/help.

The status bar will show a "U-" in front of the file type (DOS/UNIX/MAC) to indicate the file is Unicode.

A file may be converted to ASCII with the Unicode to ASCII command.

## **UTF-8 to Unicode**

This function will convert the complete file from UTF-8 to Unicode. When the file is saved it will remain as Unicode unless specifically converted to another format by the user. The status bar will show "U-" in front of the file type indicator.

## **Unicode to ASCII**

This function will convert the complete file from Unicode to ASCII.

The conversion uses the active code page. For information on code pages see the Windows documentation/help.

For Unicode files the status bar will show a "U-" in front of the file type (DOS/UNIX/MAC) to indicate the file is Unicode. Following the conversion this indicator would not be present.

A file may be converted to Unicode with the ASCII to Unicode command.

## **UTF-8 to ASCII**

This function will convert the complete file from UTF-8 to ASCII. When the file is saved it will remain as ASCII unless specifically converted to another format by the user. It will use the current code page for conversion. It's possible that not all characters may be converted correctly. In this case a default character (?) will be used.

## **ASCII to UTF-8**

This function will convert the complete file from ASCII to UTF-8. When the file is saved it will remain as UTF-8 unless specifically converted to another format by the user. The status bar will show "U8-" in front of the file type indicator.

Internally the file will be in UNICODE format and converted back when the file is saved to UTF-8 encoding. In HEX mode the file will be shown with its current internal representation.

## **Unicode/UTF-8 to UTF-8**

This function will convert the complete file from Unicode or UTF-8 (ASCII representation) to UTF-8 (with the file internally as Unicode). When the file is saved it will remain as UTF-8 unless specifically converted to another format by the user. The status bar will show "U8-" in front of the file type indicator.

Internally the file will be in UNICODE format and converted back when the file is saved to UTF-8 encoding. In HEX mode the file will be shown with its current internal representation.

## **Unicode/ASCII/UTF-8 to UTF-8**

This function will convert the complete file from Unicode, ASCII or UTF-8 (Unicode representation internally) to UTF-8 encoding. The file will however not be internally stored as Unicode and as such the multi-byte UTF-8 characters will display as upper ASCII characters and not the UTF-8 character they represent. When the file is saved it will remain as UTF-8 unless specifically converted to another format by the user. The status bar will NOT indicate this file format as it has no different structure from an ASCII file.

## ***Insert File***

Use this command to insert an existing document (file) into the active document. This command presents a dialog allowing selection of the file to insert. The complete contents of the selected file are inserted in the active document at the cursor position.

## ***Delete Active File command***

Use this command to close the active document and delete its associated file from the disk. This command prompts the user to ensure the file should really be deleted. If the file is deleted from the disk, it is no longer available. **USE THIS COMMAND WITH CARE.**

## ***Send Mail command***

Use this command to send the active file as a MAIL attachment. The file and all changes are sent. This feature is only supported on systems that have MAPI mail interface installed.

## ***Large file handling***

UltraEdit allows editing of very large files. This is accomplished with relatively small amounts of memory being used. UltraEdit is a disk-based editor and only loads a small portion of the file into memory at one time.

Normally, UltraEdit copies a file that is being edited to a temporary file, and at the end of the editing session deletes the file, after copying back to the appropriate original file. To speed up editing of very large files, the General Options configuration page allows you to specify editing without using temporary files. This removes the time necessary to copy the file to a temporary file. When editing files of many megabytes this can be an advantage.

**WARNING** - If this option is selected, all changes are permanent!

A dialog box is shown warning the user this setting is enabled each time a file is opened. Changing the INI settings will disable this.

A "Threshold" field is provided to allow the user to specify files that are equal or larger than this value to be loaded without the creation of the temporary file. Files smaller than this would be loaded normally, creating a temporary file. Setting the value to zero means that all files would be loaded without the creation of the temporary file. The "Threshold" field is only applicable if the option to open files without the temporary file is set.

Additionally the Disable Line Number option improves the performance when navigating around large files as less disk accesses are required to track the line numbers.

UltraEdit allows editing of files greater than 4GB (up to a size of  $2^{64}-1$ ).

## ***Insert String at Every Increment***

When handling large database type files it is sometimes necessary to split the file into "records" or known line lengths as the file has been output without any delimiters/separators between records. This feature allows a user-specified string to be inserted at a constant user-specified increment in the file from some start point in the file to some end point in the file.

### **Start Point**

The start point for this operation may be the beginning of the file, or the position of the cursor. This is helpful if the file has a header in it that should not be treated as part of the data. The default behavior is the beginning of the file is the start point.

### **End Point**

The end point may be specified as one of the following:

- n the end of the file (default behavior)
- n a known offset into the file
- n after the specified number of records have converted
- n when a particular string is found - In this case the insertion stops at or before the beginning of the string if found. If not found the option to continue or not is given.

Example:

A data base file has records of known length of 2000 characters. Each record has been output consecutively with no separation between the records. For editing purposes, you want to put each record onto a single line. With this feature, you can specify the string to insert is "^p" (insert a new line - paragraph) and that the increment at which to insert the string is every 2000 characters. UltraEdit will add the new line at the end of each record until the end of file is encountered.

## ***Print command***

Use this command to print a document. This command presents a Print dialog box, where you may specify the range of pages to be printed, the number of copies, the destination printer, and other printer setup options. Shortcut Keys: CTRL+P

## ***Print All Files command***

This command prints all the open documents with the current page setup and printer settings. To change the settings use the Page Setup or Printer Setup commands from the File Menu.

## ***Print Preview command***

Use this command to display the active document as it would appear when printed. When you choose this command, the main window will be replaced with a print preview window in which one or two pages will be displayed in their printed format. The print preview toolbar offers you options to view either one or two pages at a time; move back and forth through the document; zoom in and out of pages; and initiate a print job.

## **Print Preview Toolbar**

The print preview toolbar offers you the following options:

### **Print**

Bring up the print dialog box, to start a print job.

### **Next Page**

Preview the next printed page.

### **Prev Page**

Preview the previous printed page.

### **One Page / Two Page**

Preview one or two printed pages at a time.

### **Zoom In**

Take a closer look at the printed page.

### **Zoom Out**

Take a larger look at the printed page.

### **Close**

Return from print preview to the editing window.

## ***Page Setup***

The Page Setup menu item presents a dialog allowing the user to set up page headers, footers and margins for printing. The page header, if setup, is printed at the top of every page. The page footer, if setup, is printed at the bottom of every page. If a page footer or header is setup, a single line is printed across the page between the header or footer and the text to be printed.

Selecting the appropriate check box will disable the header or footer. If the header or footer is enabled, the separator line that is normally printed between the header/footer and the page text may optionally be disabled.

The page header and footer may include text defined by the user, and additionally special characters to allow the filename, and page numbers to be printed in the header or footer.

The special characters are:

- &f** This is replaced in the header or footer with the full filename including path.
  - &n** This is replaced in the header or footer with the filename only (no path).
  - &p** This is replaced in the header or footer with the page number.
  - &t** This is replaced in the header or footer with the total number of pages.
  - &l** This aligns the text following the “&l” to the left side of the header/footer area.
  - &c** This aligns the text following the “&c” to the center of the header/footer area.
  - &r** This aligns the text following the “&r” to the right side of the header/footer area.
- (Note - the alignment characters are not required, and any or all of them may appear in a single header or footer. However, if more than one is present, they must be in the order above (“&l” must be before “&c” and “&c” must be before “&r”).

Additionally, the header or footer may include the file date and time or system date and time. Two radio buttons allow the selection of either the file date or the system date to be included in the header or footer. The radio buttons select the source of the date and time. Additional special characters used in the header or footer specify if the date and time are to be printed and what format is used.

The characters used to specify the time and date format are shown below; the absence of any of these characters result in the time and date not being printed.

The formatting codes for date and time are listed below:

| Format | Description  |
|--------|--|
| %a     | Abbreviated weekday name   |
| %A     | Full weekday name  |
| %b     | Abbreviated month name   |
| %B     | Full month name  |
| %c     | Date and time representation appropriate for the locale                                |
| %d     | Day of the month as a decimal number (01-31)   |
| %H     | Hour in 24-hour format (00-23)   |
| %I     | Hour in 12-hour format (01-12)   |
| %j     | Day of the year as a decimal number (001-366)  |
| %m     | Month as a decimal number (01-12)  |
| %M     | Minute as a decimal number (00-59)   |
| %p     | Current locale's AM/PM indicator for a 12-hour clock                                   |
| %S     | Second as a decimal number (00-59)   |
| %U     | Week of the year as a decimal number, with Sunday as the first day of the week (00-51) |
| %w     | Weekday as a decimal number (0-6; Sunday is 0)   |
| %W     | Week of the year as a decimal number, with Monday as the first day of the week (00-51) |
| %x     | Date representation for current locale   |
| %X     | Time representation for current locale   |
| %y     | Year without the century as a decimal number (00-99)                                   |
| %Y     | Year with the century as a decimal number  |
| %Z     | Time zone name or abbreviation; no characters if time zone is unknown                  |
| %%     | Percent sign   |

Examples:

Date is July 4<sup>th</sup> 1994. Time is 9:00pm  
"%X , %x" prints "21:00 , 07/04/94"

Date is July 4<sup>th</sup> 1994. Time is 9:00pm  
"%c" prints "07/04/94 21:00"

Date is Jan 10<sup>th</sup> 1991. Time is 5:00am  
"%A, %B %d, %Y %l:%M%p" prints Tuesday, January 10, 1991 05:00:am

## **Page Margins**

The page margins may be set up in either inches or millimeters (mm). Each margin - top, bottom, left and right - may be set independently. The margins are applied before the headers and footers are generated. If the printer is set up to have a minimum margin that is greater than the margin selected in UltraEdit the printer margin will be in effect.

## **Page Break Character**

The page break character may be set to any ASCII character. The page break character defaults to a form-feed character, 12 (0C HEX). This character may be changed if required but should not be set to any printable character, as a page break will be inserted on every occurrence of this character when printing occurs. It may be desirable to change this character if the font being used does not allow the page break character to be seen.

## **Wrap Text When Printing**

Setting this option will cause the printed output to automatically wrap the text to additional lines of any line that exceeds the width of the printable area of the page.

## **Print Line Numbers**

Setting this option causes the line numbers to be printed for each line on the left-hand side of each page. If a line is wrapped, the line number is printed with the first line only. This setting is independent from the Display Line Number setting.

## **Print 2 Pages on 1 Sheet**

This option allows two logical pages to be printed on a single sheet of paper. The logical page data is scaled to print two pages side-by-side. This scaling may mean that a little more or less data may fit side-by-side than when the pages are printed on a single sheet.

This option is particularly useful for saving paper on printouts.

## **Print Syntax Highlighting**

This option allows pre-configured Syntax Highlighting to be shown when the selected document is printed.

## ***Print Setup***

Use this command to select a printer and a printer connection. This command presents a Print Setup dialog box, where you specify the printer and its connection.

## **Print Setup Dialog Box**

The following options allow you to select the destination printer and its connection.

## **Printer**

Select the printer you want to use. Choose the Default Printer; or choose the Specific Printer option and select one of the currently installed printers shown in the box. You install printers and configure ports using the Windows Control Panel.

## **Orientation**

Choose Portrait or Landscape.

## **Paper Size**

Select the size of paper that the document is to be printed on.

## **Paper Source**

Some printers offer multiple trays for different paper sources. Specify the tray here.

## **Options**

Displays a dialog box where you can make additional choices about printing, specific to the type of printer you have selected.

## **Network**

Choose this button to connect to a network location, assigning it a new drive letter.

## ***Favorite Files***

The Favorite Files feature allows a user to store the filenames of frequently opened files, or favorite files that the user wishes to quickly reference and open in the future.

When the Favorite Files menu item is selected, a dialog is displayed that allows the user to open one or more of the favorite files and modify the list of favorite files.

The dialog shows a list of files that are currently in the favorite file list. The following controls are used to manage the list:

## **Open**

The open button opens the selected files from the list and closes the dialog. Multiple files may be selected from the list and opened at once. Any changes to the list are saved. DOUBLE CLICK of any files in the file list will perform the open command. If one of the selections is a directory, a file open dialog is shown initialized to the specified directory.

## **Close**

The close button closes the dialog. Any changes to the list are saved.

## **Add File**

The add file button presents a file open dialog allowing the user to browse for a file to add to the list. If a valid file is selected the file is added to the **list**.

## **Add Active File**

The add active file button adds the filename of the active file in the editor to the file list.

## **+All Open Files**

The +all open files button adds the filenames of all files in the editor to the file list.

## **Add Directory**

The add directory button allows a user to browse for a directory and add this to the list. This allows the user to quickly open files from a favorite directory.

## **Remove File**

The remove file button removes any selected files from the file list.

## ***Recent Files***

Use this command to select the document you wish to edit from up to 16 of the most recently edited documents. The number of documents shown here is configurable in the General Configuration dialog under the Advanced menu<sup>†</sup>. Select the document you wish to edit by highlighting and clicking on it in the sub-menu that appears when you click on Recent Files. Note: The files shown in this submenu may be appended to the File Menu by selecting the appropriate option on General Configuration Page. This requires restarting UltraEdit. Please see the General Configuration Page section for more details.

## ***Recent Projects/Workspaces***

Use this command to select the project you wish to edit from the most recently edited projects. Select the project you wish to edit by highlighting and clicking on it in the sub-menu that appears when you click on Recent Projects. The number of projects viewable here matches the number of recent files set in the General Configuration dialog. Note: The Project menu may be moved to this position as a submenu with the Recent Projects appended to the end of the Project menu by selecting the appropriate option on the General Configuration Page. This requires restarting UltraEdit. Please see the General Configuration Page section for more details.

## ***Exit command***

Use this command to end your UltraEdit session. UltraEdit prompts you to save documents with unsaved changes.

Shortcut Keys:     ALT+F4

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<sup>†</sup> This is limited to the four most recent files and is not user-configurable in the 16-bit version of UltraEdit.



## Chapter 3 Edit Features

This section describes the edit features available within UltraEdit. It will explain how to move within files and include basic and advanced examples for editing files within UltraEdit.

The following topics will be covered:

- Edit Menu Commands
- Undo/Redo commands
- Cut/Copy/Paste commands
- Drag and Drop Editing Features
- Select All command
- Select Line command
- Select Range command
- Blocking Text
- Hex Editing (Please see Hex Editing section)
- Date/Time Insertion
- Spell Checking a File
- Read Only Files
- Word Wrap

### ***Edit Menu Commands***

The Edit menu offers the following commands:

|                         |  |
|-------------------------|--|
| Undo                    | reverses the previous editing operation  |
| Redo                    | reverses the previous UNDO command   |
| Cut                     | deletes data from the document and moves it to the clipboard   |
| Copy                    | copies data from the document to the clipboard   |
| Paste                   | pastes data from the clipboard into the document   |
| Cut & Append            | deletes data from the document and moves it to the clipboard<br>appending it to any existing data in the clipboard |
| Copy & Append           | copies data from the document and moves it to the clipboard<br>appending it to any existing data in the clipboard  |
| Copy File Path/Name     | copies the full pathname of the active file to the clipboard   |
| Clipboards              | allows the user to select the active clipboard   |
| Select All              | selects all the text in the active document  |
| Select Line             | selects the line with the cursor   |
| Select Word             | selects the word with the cursor   |
| Select Range            | selects a user specified range   |
| Delete                  | deletes the selected text or character at cursor   |
| Delete Line             | deletes the line with the cursor   |
| Delete to Start of Line | deletes from the cursor position to the start of line  |
| Delete to End of Line   | deletes from the cursor position to the end of line  |
| Duplicate Line          | duplicates active line below cursor position   |
| Insert Line             | inserts blank line below cursor position   |
| Date/Time               | inserts date/time at the cursor position   |

|                   |  |
|-------------------|--|
| Hex Edit          | toggles the state of the editing mode for the current window between HEX and ASCII                               |
| Hex Edit/EBCDIC   | toggles the state of the editing mode for the current window between HEX/EBCDIC and ASCII                        |
| Hex Insert/Delete | presents a dialog allowing insertion or deletion of bytes in a file while in HEX editing mode                    |
| Spell Check       | invokes the spelling checker, and checks the complete file or selected text                                      |
| Read Only         | toggles the READ ONLY state of the active file   |
| Toggle Word Wrap  | automatically wraps words to the next line at the horizontal edge of the active window, or at a specified column |
| Comment Add       | adds line comments to selected lines   |
| Comment Remove    | removes line comments from selected lines  |
| Insert Color      | inserts a color value into the document  |

### ***Undo command***

Use this command to reverse the last editing action, if possible. UltraEdit supports multiple levels of undo (the specific number varies based on the items being undone). Repeated Undo commands will attempt to step backwards through the previous commands and undo one at a time. The Redo command may be selected to redo a command that has been undone. If commands are undone and then a new command is performed, the Redo will no longer allow previously undone actions to be redone. Shortcut: CTRL+Z or ALT-BACKSPACE

### ***Redo command***

The Redo command allows commands that have previously been undone with the Undo to be redone. If commands are undone and then a new command is performed, the Redo will no longer allow previous undo actions to be redone. Shortcut: CTRL+Y

### ***Cut command***

Use this command to remove the currently selected data from the document and put it on the clipboard. This command is unavailable if there is no data currently selected.

If the Cut & Append to clipboard is selected the data is appended to the contents of the clipboard otherwise cutting data to the clipboard replaces the contents previously stored there.

Shortcut: CTRL+X

### ***Copy command***

Use this command to copy selected data onto the clipboard. This command is unavailable if there is no data currently selected.

If the Copy & Append to clipboard is selected the data is appended to the contents of the clipboard otherwise copying data to the clipboard replaces the contents previously stored there.

Shortcut: CTRL+C

### ***Paste command***

Use this command to insert a copy of the clipboard contents at the insertion point. This command is unavailable if the clipboard is empty. Shortcut: CTRL+V

### ***Clipboards (Normal, 1-9)***

UltraEdit provides up to nine user clipboards for use with the Cut, Copy and Paste commands as well as the standard Windows Clipboard. The active clipboard may be changed from the Edit Menu, or the Right Click context menu.

When changing the active clipboard the contents of the clipboards are not modified. With the exception of the standard Windows Clipboard the contents of the clipboards are destroyed when UltraEdit is closed.

### ***Select All command***

The Select All command highlights the complete file. This allows the user to select the complete file and Cut it to the clipboard. Use the Select Line command to select a single line. Shortcut: CTRL+A

### ***Select Line command***

The select line command highlights the line in which the cursor is positioned. The end of line characters are also highlighted. This allows the user to select a line and Cut it to the clipboard. Alternatively, triple clicking with the left mouse button will also select a line.

Use the Select All command to select the complete file.

### ***Select Range***

This presents a dialog allowing the user to specify a range within the file that should be selected/highlighted.

The user is able to specify the line and column for the start and end of the selection. When the dialog is first displayed the entry fields default to the current selection.

If not in Column Mode, UltraEdit will switch automatically to Column Mode if the start and end columns are specified with different values.

### ***Delete***

The delete command deletes the selected text or if no text is selected it deletes the character at the cursor.

### ***Delete Line***

The delete line command deletes the line in which the cursor is positioned. The end of line characters are also deleted.

Use the Select Line command to select the line.

### ***Delete to End of Line***

The delete to end of line command deletes all contents of the current line from the position of the cursor to the end of the line containing the cursor. Shortcut: CTRL+F12

### ***Delete to Start of Line***

The delete to start of line command deletes all contents of the current line from the position of the cursor to the beginning of the line containing the cursor. Shortcut: CTRL+F11

### ***Duplicate Line***

The duplicate line command inserts a copy of the active line below the current cursor position. The cursor may be positioned anywhere on the active line when this feature is invoked. This command may be invoked from the Edit menu or the user may define a keyboard shortcut under Key Mapping in Configuration.

### ***Insert Line***

The insert line command inserts a new blank line below the current cursor position. The cursor may be positioned anywhere on the active line when this feature is invoked. This command may be invoked from the Edit menu or the user may define a keyboard shortcut under Key Mapping in Configuration.

### ***Insert Date/Time***

The insert date/time command inserts the date and time at the cursor position. The date and time are formatted according to the control panel settings. A single space is inserted between the date and time. To insert only the date or time the Template definition feature may be used.

### ***Hex Mode Editing (Please see Hex Editing section)***

### ***Spelling Checker***

UltraEdit incorporates a 100,000+ word spelling checker. The spelling checker is invoked from the Edit Menu and will check the complete file if text is not selected, or if text is selected it will check the selected text.

If a word is not found in the selected dictionary the Check Spelling Dialog is displayed with various options that allow the word to be changed, ignored, or added to a user dictionary.

The new spelling checker supports different languages. These languages are selected from the Spell Checker Options configuration page. For further details on Spell Checker options and configuration please see the Configuration Features section.

### ***Read Only Command***

The Read Only command toggles the state of the read only status of the file. If the read only status is set the file cannot be modified. If the file has already been modified the modifications are maintained and the file may be saved.

The default behavior of the read only status may be configured in the General Configuration Page. This determines if the file is read only when it is opened.

### ***Word Wrap Command***

The Word Wrap command toggles the Word Wrap settings of the document. When Word Wrap is activated the settings on the Tab/Word Wrap configuration page will control how Word Wrap is implemented.

If the editor active window is in HEX mode, this command is not available. UltraEdit will prompt the user with a dialog box stating that Column/Block editing is only permitted with fixed pitch fonts and when Word Wrap is not selected.

### ***Comment Add/Remove***

These commands allow line comments (as defined in Syntax Highlighting) to be added to or removed from the selected lines. The file being edited must be enabled with Syntax Highlighting and line comments must be defined for the particular language.

If the line comments are appropriately defined, these functions will add the line comment characters to the beginning of each line or remove the line comment characters from the beginning of each line. When removing comment characters, the characters will only be removed if they are the first characters in the line.

### ***Insert Color***

This function allows a user to select a color value and insert it into a document. The dialog allows the user to view or choose a color and then insert the value of the color into the document.

The color value is shown in one of the three specified formats:

- 1) Decimal - This is the decimal value for the color value in RGB (Red,Green,Blue).
- 2) Hexadecimal - This is the hexadecimal value for the color value in RGB (Red,Green,Blue).
- 3) HTML - This is the format required for display in an HTML document. The # is added to the value.

When the dialog is first displayed, the color value will default to the selected color (if there is a value selected) in the active file. UltraEdit will try and determine the format of this also based on the selection.

When the user clicks on OK, the Color Value shown will be inserted into the document, replacing the current selection if a selection is made.

### ***Working with "Wide Files"***

UltraEdit allows the user to edit files with lines extending up to 4096 bytes by default. At this point UltraEdit will "soft wrap" the line meaning that it is wrapped for viewing purposes without actually modifying the contents of the line. If the Max Columns setting is added to the uedit32.ini file (please see Appendix 3: INI File Selection and Advanced Settings) this may be increased to 9216 bytes. Some video drivers have a problem when this is set too high.

### ***Right Mouse Button Commands***

UltraEdit allows the right mouse button to display a pop-up menu. If the right mouse button is clicked while in a document window, the Edit Menu is displayed at the position of the mouse click. If text is selected when the right mouse button is pressed, a new menu item Open File Highlighted is added to the top of the pop-up menu and if selected the file is opened if it exists.

If no text is selected, UltraEdit will examine the text under the cursor and if it finds what it believes may be a file it will add a new menu item "Open " followed by the name of the file it will try and open. If this is a URL the information will be passed to the default browser for opening.

If the right mouse button is clicked while in the UltraEdit main window and outside of a document window, the File Menu is displayed at the position of the mouse click.

## Chapter 4 Hex Editing Features

This section describes the Hex editing features available within UltraEdit. This extends the capabilities of UltraEdit beyond text editing to allow editing of any binary file.

The following topics will be covered:

Hex Mode Editing

Hex Insert/Delete

Hex Mode Detection

### ***Hex Mode Editing***

The HEX Edit command selects the editing mode for the active window. The mode is toggled between Hexadecimal (HEX) and ASCII. The ASCII mode of editing is typically used for any ASCII (text) based files. In the ASCII mode, UltraEdit allows normal operation of all functions and allows any characters to be typed.

The HEX mode of editing is typically used for non-ASCII files, or binary files. These files typically contain non-printable characters, and are not text files.

The following restrictions apply when HEX mode is selected:

Insert mode is not supported.

When the HEX mode of editing is selected for a given window, UltraEdit splits the screen area into three areas as shown:

| File Offset: | Hexadecimal Representation                      | ; ASCII Representation |
|--------------|---|------------------------|
| 000000h:     | 30 31 32 33 34 35 36 37 38 39 30 31 32 33 34 35 | ;123456789012345       |

The file offset area shows the current byte offset of the character at the beginning of the line to form the beginning of the file. In HEX mode the ruler shows the offset from the start address shown on the left.

The hexadecimal representation shows the hexadecimal value of each file byte as a two-character field, separated from the next byte by a space (' ').

The ASCII representation provides the view of printable characters. Non-printable characters are shown with a period character ('.').

Editing may be performed in the ASCII area, or the HEX area. Positioning from one area to the other is performed by clicking the left mouse button in the appropriate area or by pressing the TAB key. The TAB key switches the cursor between the ASCII and HEX area and maintains the character offset in the file. In the HEX area, the only valid characters are, 0-9, A-F, and a-f. All other characters are invalid and are ignored. In the ASCII area, any printable character is valid, and will be accepted with the exception of <CR> and ENTER.

Editing in either the ASCII area or the HEX area automatically updates the other area after each valid character is typed.

All modifications are performed in OVERSTRIKE mode.

To insert or delete characters in HEX mode, use the HEX Insert/Delete selection from the Edit menu.

Cut, Copy and Paste are supported in HEX mode.

Find, Replace, and Replace All are also supported in HEX mode. Regular expression searches within these functions are not supported in HEX mode.

Shortcut Keys:      CTRL+H

### ***Hex/EBCDIC Mode Editing***

The HEX/EBCDIC editing mode works almost identically to the HEX Editing mode with the exception it will convert the EBCDIC data for viewing purposes only and show this as ASCII. The content of the file will not be modified however the right hand side that shows the ASCII representation in HEX Mode will show the data converted to ASCII from EBCDIC.

For details of editing in HEX mode, see the HEX Editing.

While in this mode, editing in the ASCII area will allow data to be entered as ASCII and automatically converted to EBCDIC in the file. Editing in the HEX area will allow data to be entered directly as HEX and the ASCII representation (converted from EBCDIC) will be shown in the ASCII area.

Find/Replace in this mode will allow ASCII strings to be used and correctly found/replaced according to the settings in the Find/Replace dialog box. Regular Expressions cannot be used in this mode; the results would be indeterminate.

### ***Hex Insert/Delete***

The HEX Insert/Delete command allows the insertion or removal of characters at the current cursor position while in the HEX mode. This command presents a dialog that allows selection to insert or delete characters and requires specification of the number of characters that are to be inserted or deleted. If insert is selected, UltraEdit will insert the specified number of characters in the file and initialize them to a hexadecimal value of 20 (ASCII space). The characters may then be modified as required. If delete is selected, the specified number of characters will be removed from the file beginning at the cursor position.

Shortcut Keys:      CTRL+D

### ***Hex Mode Detection***

When UltraEdit opens a document it automatically scans the first 3K for ASCII NULL '00'. If UltraEdit detects more than one ASCII NULL in the first 3K of a document it determines that it is a binary file and opens it in HEX mode.

NULLS are not valid in an ASCII file and will be converted to spaces if you edit the file in text mode.

If you view a HEX file in text mode but make no changes UltraEdit should not convert the NULLS to spaces, but if you do make changes in text mode to a HEX file the change will occur.

### ***Hex Mode – Line Terminators***

By default a file is recognized as UNIX or MAC when it is loaded and the Status Bar should show this. When the file is loaded it will be converted to DOS (CR/LF) and in HEX mode you will see this. [If the file contains more than one null (Hex 00) in the first 3K it will not be treated as UNIX but a binary file and not converted].

When the file is saved it will be converted back to UNIX (LF Only) if the "Save File as Input format" setting is set in Advanced Configuration.

The settings in Advanced Configuration default to the above actions.



If you go to Advanced Menu and Configuration and disable the "Auto Convert Unix Files" this will not happen, or you can leave it set and if you want the file saved as DOS format you can disable the setting "Save File as Input format".

Additionally the file may be manually converted from the File Menu. When converted to UNIX or MAC from the file menu the actual conversion takes place when the file is saved but the status bar is updated immediately so that you are aware of the format.

### ***Hex Copy Selected View***

This function is available when editing in HEX Mode. The normal Copy command copies the actual data in the file, not the HEX representation shown on the display. This command formats the actual data in the clipboard in the same way it is shown on the screen in HEX mode. This allows the representation to be copied into a text or similar document.

As the data being copied may only be a partial line, this command computes the address for the start of the data and this will be how it is formatted in the clipboard.

The following shows a row of data in HEX Mode (the title is for clarification only):

File Offset: Hexadecimal Representation ; ASCII Representation

000000h: 30 31 32 33 34 35 36 37 38 39 30 31 32 33 34 35 ; 123456789012345

If the 4567 were selected and copied to the clipboard with this function, the format in the clipboard (ready to paste into another document) would be:

000004h: 34 35 36 37 ; 4567

## Chapter 5 Search Features

This section describes the search features available within UltraEdit. It explains the methods for using the find and replace functions of UltraEdit and includes a section on the use of regular expressions to teach the user how to fully exploit these functions.

The following topics will be covered:

### Search Menu Commands

#### Find

##### Using the Find Command

- Special Search Characters

- Search Direction

- List Lines Containing String

- Match Case

- Match Whole Word Only

- Regular Expressions

- ASCII Find (in HEX mode)

##### Using the Find in Files Command

- Match Case

- Match Whole Word Only

- Search Subdirectories

- Results to Edit Window

- Regular Expressions

##### Using the Find Next Command

##### Using the Find Previous Command

##### Continue Search at End of File

#### Replace

##### Using the Replace Command

- Special Search Characters

- Find Next

- Replace All

- Replace in Current File

- Replace All Within the Selected Text

- Replace All In All the Open Files

- Match Case

- ASCII Find (in HEX mode)

##### Using the Replace in Files Command

- Match Case

- Match Whole Word Only

- Search Subdirectories

- Regular Expressions

#### Match Brace

#### Goto Line/Page

#### Bookmarks

##### Setting/Removing Bookmarks

##### Moving Between Bookmarks

#### Wordcount

#### Function List

## **Search Menu Commands**

The Search menu offers the following commands:

|                        |   |
|------------------------|---|
| Find                   | searches document for a text string   |
| Find Next              | repeats the last find   |
| Replace                | searches document for a text string and replaces it with another text string            |
| Find In Files          | searches files on disk for a text string  |
| Replace In Files       | searches files on disk for a text string and replaces it with another text string       |
| Find Matching Brace    | finds and highlights between matching braces  |
| Goto Line/Page         | positions the cursor at the specified line or page break (or file position in HEX mode) |
| Toggle Bookmark        | toggles a bookmark at the current line  |
| Previous Bookmark      | moves the cursor to the previous bookmark   |
| Next Bookmark          | moves the cursor to the next bookmark   |
| Clear All Bookmarks    | clears all bookmarks  |
| Word Count             | counts the number of words in the document  |
| Function List          | finds and shows list of functions in the active document                                |
| Find Symbol            | finds symbol in tag file  |
| Character Properties   | displays properties of active byte  |
| Back (Last Position)   | go to last position editing/repositioning occurred                                      |
| Forward(Next Position) | go to next position editing/repositioning occurred (after using Back command)           |
| Incremental Search     | Search document finding the closest match as characters are typed                       |

## **Find command**

This command displays a dialog box for searching the document for the specified text. The search is performed in the direction specified. If the string is not found and Continue Find at End of File is selected on the General Configuration page, the search wraps around to the other end of the file and continues the search. If the string is not found a message is displayed.

In addition to searching for printable characters, tab characters and new line (Carriage Return/Line Feed) characters may be searched for. To search for a tab character, use “^t” characters in the dialog. To search for the newline characters, use “^p” characters for CR/LF, “^n” for LF only and “^r” for CR only in the dialog. To search for a “^” character, use “^^” in the dialog.

Additionally, the characters “^s” will be replaced with any text that is highlighted when a find is executed and the characters “^c” will be replaced with the contents of the clipboard (up to 30,000 characters). This is useful particularly for macros. When recording a macro, the option exists to include a find of a specified character string, or using “^s” the macro records the “^s” and when replayed will determine the text highlighted at the time the macro is playing back. Likewise when using “^c”, these characters will be replaced with the contents of the clipboard at the time the macro is playing back.

## Special Character Summary

| Symbol | Function   |
|--------|--|
| ^^     | searches for a “^” character                                       |
| ^s     | searches for selected (highlighted) text when a macro is running   |
| ^c     | searches for the contents of the clipboard when a macro is running |
| ^b     | matches a page break   |
| ^p     | matches a newline (CR/LF) (paragraph) (DOS Files)                  |
| ^r     | matches a newline (CR Only) (paragraph) (MAC Files)                |
| ^n     | matches a newline (LF Only) (paragraph) (UNIX Files)               |
| ^t     | matches a tab character  |

Note - ^ refers to the character ‘^’ NOT Control Key + value.

To select all text between the cursor position and the search target, hold down the SHIFT key at the time the search is started with the FINDNEXT button.

The following search options exist:

## Search Direction

The default search direction is down (toward the end of the document). The option to search up or down the document is given. If a search has already occurred in the document, the default search direction is that of the previous search.

## List Lines Containing String

This option causes UltraEdit to search for all occurrences of the string in the active document and to list them in a dialog box. By double clicking on one of the result lines (or selecting it and clicking on Goto) UltraEdit will position to that line in the file.

## Match Case

By default, the search will not be case sensitive. The option to make the search case sensitive is given. If a search has already occurred in the document, the default selection for case sensitivity is that of the previous search.

## Match Whole Word Only

By default, the search will not be restricted to matching whole words only. This option allows the search to be restricted to whole words only. This is useful for searching for ‘a’, or ‘A’ without finding all words including ‘a’. If a search has already occurred in a document, the default selection will match the previous search.

## Regular Expressions

See Appendix 2 Regular Expressions for a table of regular expressions.  
If the editor active window is in HEX mode, an additional option exists:

## ASCII

By default, in HEX mode, the search will be for hexadecimal characters. Optionally the find may be configured to search for ASCII characters. When a find operation is complete the text is highlighted. Initially after the find is performed, a slim dialog box is displayed enabling easy selection of find and find next. Changing the INI settings will disable this. Shortcut Keys: ALT+F3 or Ctrl+F

## ***Find In Files command***

This command displays a dialog box for searching for a text string in files on a disk.

The string to search for is specified in the Find field. The files to search are specified in the In Files/Types and Directory fields. The Directory field specifies the directory to search and the In Files/Types field specifies the filename or types. The filename may contain wildcards and may also contain multiple file types separated by semicolons, i.e.:

\*.cpp;\*.h

The **Directory** field may contain multiple search paths separated by semicolons, i.e.:

C:\mydir1\; c:\mydir2\

Note – If the **Find** string is left blank UltraEdit will return a list of all filenames that match the specified criteria. This can be useful in generating a directory listing.

The following search options exist:

## **Search In**

### Files Listed

This will search the files listed in InFiles/Types and Directory fields (default selection).

### Open Files

This will search all open files. The InFiles/Types and Directory fields will be ignored.

### Project Files

This will search all files within the open project. The InFiles/Types and Directory fields will be ignored.

## **Match Case**

By default, the search will not be case sensitive. The option to make the search case sensitive is given. If a search has already occurred in the document, the default selection for case sensitivity is that of the previous search.

## **Match Whole Word Only**

By default, the search will not be restricted to matching whole words only. This option allows the search to be restricted to whole words only. This is useful for searching for 'a', or 'A' without finding all words including 'a'. If a search has already occurred in a document, the default selection will match the previous search.

## **Search Subdirectories**

By default, only files specified in the specified directory are searched. This instructs the search to search all sub directories of the specified directory.

## **Results to Edit Window**

This option instructs UltraEdit to create an edit window (new file) for the results of the find. This allows editing of the results and saving the results. The default action is to capture the output in a list box window (Output Window) that allows the user to double click on the result and have the file opened automatically.

## **Unicode Search**

This option instructs UltraEdit to perform a Unicode search. The string entered will be entered as multi-byte and converted to Unicode. All files searched will be searched for using the Unicode string.

## **Regular Expressions**

See Appendix 2 Regular Expressions for a table of regular expressions. Successive finds update an existing "Find Results" window if it already exists, or creates a new window if it does not. If the window already exists, results are appended to the end.

### ***Find Next command***

This command repeats the previous FIND command in the forward direction toward the end of the file. The next occurrence of the find text will be found (if present) in the forward direction.

To select all text between the cursor position and the search target, hold down the SHIFT key at the time the search is started with the FIND NEXT menu item or shortcut key.

Shortcut Keys: F3

### ***Find Previous command***

This command repeats the previous FIND command in the backward direction toward the beginning of the file. The next occurrence of the find text will be found (if present) in backward direction.

To select all text between the cursor position and the search target, hold down the SHIFT key at the time the search is started with the FIND NEXT menu item or shortcut key.

Shortcut Keys: CTRL+F3

### ***Continue Search at End of File (General Configuration Page)***

This option determines if the search for a string is to be continued at the opposite end of the file if the string is not found. If this option is not set, UltraEdit does NOT wrap around at the end of file when searching for a string. The default behavior is for UltraEdit to continue the search from the opposite end of the file when a target is not found.

## **Replace command**

This command displays a dialog box for searching the document for the specified text, and replacing it with a different text. The search is performed in the direction specified. If the string is not found, the search wraps around to the other end of the file and continues the search. If the string is not found a message is displayed.

In addition to searching and replacing printable characters, tab characters and newline (Carriage Return/Line Feed) characters may be searched for or replaced. To specify a Tab character, use “^t” characters in the dialog. To search for the newline characters, use “^p” characters for CR/LF, “^n” for LF only and “^r” for CR only in the dialog. To search for a “^” character, use “^^” in the dialog.

Additionally, the characters “^s” will be replaced with any text that is highlighted when a find is executed and the characters “^c” will be replaced with the contents of the clipboard (up to 30,000 characters). This is useful particularly for macros. When recording a macro, the option exists to include a find of a specified character string, or using “^s” the macro records the “^s” and when replayed will determine the text highlighted at the time the macro is playing back. Likewise when using “^c”, these characters will be replaced with the contents of the clipboard at the time the macro is playing back.

## **Special Character Summary**

| Symbol | Function   |
|--------|--|
| ^^     | searches for a “^” character                                       |
| ^s     | searches for selected (highlighted) text when a macro is running   |
| ^c     | searches for the contents of the clipboard when a macro is running |
| ^b     | Matches a page break   |
| ^p     | Matches a newline (CR/LF) (paragraph) (DOS Files)                  |
| ^r     | Matches a newline (CR Only) (paragraph) (MAC Files)                |
| ^n     | Matches a newline (LF Only) (paragraph) (UNIX Files)               |
| ^t     | Matches a tab character  |

## **Regular Expressions**

See Appendix 2 Regular Expressions for a table of regular expressions.

The following replace options exist:

## **Find Next**

Find next finds the next occurrence of the specified text.

## **Replace**

Replace finds the next occurrence of the specified text and replaces it with the new text.

The user may also specify “Selected Text” under the “Replace Where” selection and the replace will be limited to the selected area.

## **Replace All**

Replace all finds every occurrence of the specified text and replaces each occurrence with the new text.

The Replace All provides the additional options:

## **Replace in Current File**

This replaces all occurrences within the current file only. It determines if the replace should be from the top of the file, or the cursor position based on the setting in this dialog box.

## **Replace All Within the Selected Text**

This replaces only the occurrences of the string that falls within the area of selected text at the time the replace is started.

## **Replace All in All the Open Files**

This replaces all occurrences of the string in all open files.

## **Match Case**

By default, the search will not be case sensitive. The option to make the search case sensitive is given. If a search has already occurred in the document, the default selection for case sensitivity is that of the previous search.

## **Preserve Case**

The option to preserve cases causes UltraEdit to match the case of the replace string with the case of the found string. The rules for this are as follows:

- 1) If the word found is all lowercase the replacement word will be all lower case
- 2) If the word found is all UPPERCASE the replacement word will be all UPPERCASE
- 3) If the word found is MixedCase the replacement word will MATCH the casing of the replacement word.

Example: (Find "The", replace with "Then")

"the" will be replaced with "then"

"THE" will be replaced with "THEN"

"The" will be replaced with "Then"

The mixed case example requires the replacement word specified to have the mixed case in the replacement string that is required for the result so that a word that may have multiple mixed case characters may be correctly replaced, not just capitalization as in:

Replace "NextCharacter" with "PreviousCharacter" would replace:

"nextcharacter" with "previouscharacter"

"NEXTCHARACTER" with "PREVIOUSCHARACTER"

"NextCharacter" with "PreviousCharacter"

If the editor active window is in HEX mode, an additional option exists:



## ASCII

By default, in HEX mode, the search will be for hexadecimal characters. Optionally the find may be configured to search for ASCII characters. When a find operation is complete the text is highlighted. In HEX mode additional characters may be highlighted if the specified search string crosses a line. In this case, all characters displayed from the first character of the search string on the first line to the last character of the search string on the last line are highlighted. If a replace is requested, only the search string will be replaced.

Initially after the replace is performed, a slim dialog box is displayed enabling easy selection of find next and replace operations. Changing the INI settings will disable this.

Shortcut Keys:      CTRL+R

UNDO is supported for Replace All. However if the replace is too large, UNDO will not be supported and the UNDO buffer will be flushed.

## ***Replace In Files command***

This command displays a dialog box for searching for a text string in files on a disk and replacing it with another text string.

The string to search for is specified in the **Find** field. The files to search are specified in the InFiles/Types and Directory fields. The directory field specifies the directory to search and the InFiles/Types field specifies the filename or types. The filename may contain wildcards and may also contain multiple file types separated by semicolons, i.e.:

\*.cpp;\*.h

The **Directory** field may contain multiple search paths separated by semicolons, i.e.:

C:\mydir1\; c:\mydir2\

The following search options exist:

## **Match Case**

By default, the search will not be case sensitive. The option to make the search case sensitive is given.

## **Preserve Case**

The option to preserve cases causes UltraEdit to match the case of the replace string with the case of the found string. The rules for this are as follows:

- 1) If the word found is all lowercase the replacement word will be all lower case
- 2) If the word found is all UPPERCASE the replacement word will be all UPPERCASE
- 3) If the word found is MixedCase the replacement word will MATCH the casing of the replacement word.

Example: (Find "The", replace with "Then")

"the" will be replaced with "then"

"THE" will be replaced with "THEN"

"The" will be replaced with "Then"

The mixed case example requires the replacement word specified to have the mixed case in the replacement string that is required for the result so that a word that may have multiple mixed case characters may be correctly replaced, not just capitalization as in:

Replace "NextCharacter" with "PreviousCharacter" would replace:

"nextcharacter" with "previouscharacter"

"NEXTCHARACTER" with "PREVIOUSCHARACTER"

"NextCharacter" with "PreviousCharacter"

## **Match Whole Word Only**

By default, the search will not be restricted to matching whole words only. This option allows the search to be restricted to whole words only. This is useful for searching for 'a', or 'A' without finding all words including 'a'. If a search has already occurred in a document, the default selection will match the previous search.

## **List Changed Files**

This instructs the editor to list all the files that were modified in the Output Window. If set, each file changes will be listed in the Output Window followed by the number of occurrences found and changed.

## **Search Subdirectories**

By default, only files specified in the specified directory are searched. This instructs the search to search all sub directories of the specified directory.

## **Unicode Search**

This option instructs UltraEdit to perform a Unicode search. The strings entered will be entered as multi-byte and converted to Unicode. All files searched will be searched for using a Unicode string and the replace string will be a Unicode string.

## **Regular Expressions**

See Appendix 2 Regular Expressions for a table of regular expressions.

## **Match Brace**

This command searches forward in the file from the cursor position to find an open or close brace. If an open brace is found, the search continues in a forward direction until a matching close brace is found at the same nest level. If the first brace found is a close brace, the search is performed in the reverse direction until a matching open brace is found at the same nest level.

When the matching brace is found all the text between and including the two braces is highlighted.

An open brace is (, [, or {. A close brace is ), ], and }. Shortcut Keys: Ctrl+B

Additionally, UltraEdit will automatically highlight a matching bracket/brace if the match is in view when this cursor is positioned to the right or left of a bracket/brace. No screen positioning will be performed; the bracket/brace will only be highlighted if it is in view.

If the file is designated as an HTML file (see Syntax Highlighting) matching '<' and '>' characters will be highlighted also.

## ***Goto Line/Page***

The Goto menu item presents a dialog that allows the user to specify the line or page break at which the cursor should be positioned. The cursor is positioned at the line specified and the line is scrolled into view. If the line number is greater than the number of lines in the file, the cursor is positioned at the end of the file.

When Page Break is specified, the cursor is positioned at the line with the specified page break character.

When the Shift Key is pressed at the same time as performing the Goto function the current selection (if present), or a new selection will be extended to select text up to the cursor position following the command.

In HEX mode the goto dialog allows the user to select the offset into the file at which the cursor should be positioned. If the offset is greater than the file size, the cursor is positioned at the end of the file.

Shortcut Keys:      CTRL+G

## ***Setting and Moving to Bookmarks***

UltraEdit allows you to set a "bookmark" to mark a position in a file. Once a bookmark has been set at a line, you may use menu or keyboard commands to move to that line.

To set a bookmark:

1. Move the cursor to the line where you want to set a bookmark.
2. From the Search menu, choose Toggle Bookmark.

Shortcut Keys:      CTRL+F2

To remove all the bookmarks, use the "**Clear All Bookmarks**" menu item.

To move to the next bookmark after the insertion point, choose Next Bookmark from the Search menu.      Shortcut Keys: F2

To move to the previous bookmark after the insertion point, choose Previous Bookmark from the Search menu.      Shortcut Keys: Alt+F2

**When the Shift Key is pressed at the same time as performing the Goto Bookmark function the current selection (if present), or a new selection will be extended to select text up to the cursor position following the command.**

## **Word Count**

The word count feature analyzes the document and selection and determines the number of Words, Lines and Characters (with and without spaces) and displays the result. If a portion of the file is selected, the results are shown for that portion of the file and the complete file.

The number of lines returned reflects real lines that are terminated with the line terminator. If a line is wrapped in the display, this is not counted as multiple lines.

## **Function List**

This command shows the list of functions in the active document. The results are displayed in a dockable window either in alphabetical order, or in order they occur in the document. By double clicking on one of the result lines UltraEdit will position to that line in the file and the focus will change to the file. If Enter is pressed while focus is in the Function List UltraEdit will position to that line and focus will remain in the function list. Ctrl+Enter will also position to the line in the file and the focus will change to the file.

Optionally the Function List may be set to search all documents in the active project. This is set by right clicking in the Function List and selecting the appropriate menu item.

Additionally, by right clicking in the Function List the user may select to sort (or not) the Function List in alphabetical order.

UltraEdit searches for a particular pattern to determine if a line is considered a function. The pattern that is searched for is a regular expression string(s) that may be modified by the user.

The regular expression string(s) is defined in the wordfile.txt file and each language may have its own definition.

Note - The regular expression string must use UltraEdit style regular expressions. This ensures that the function list will always work irrespective of the regular expression settings.

See the Syntax Highlighting section for details on changing the string used for recognizing a function.

While navigating through the file, UltraEdit will attempt to highlight the current function that the cursor is in. In reality it will find the previous function in the file (to the cursor position) that it recognized as a function and highlight this. If the cursor is between functions, or after the last function, the previous function recognized will be highlighted. If the option for all files in the project to be shown in the function list is set, the position of the cursor will not be highlighted.

## **CTAGS Support**

UltraEdit supports Ctags, either as part of a project or independently.

### **What is Ctags?**

Ctags generates a tag file (or index) file of C/C++ objects and functions found in C/C++ header and source files that allows these items to be referenced quickly within UltraEdit.

### **Ctags EXE**

UltraEdit relies on an external tag file generator. There are many versions of Ctags and we recommend "Exuberant Ctags" available from <http://ctags.sourceforge.net/>.

UltraEdit can make use of an existing tagfile, or if an EXE for creating Ctags is available it can also create the tag file. Using ctags.exe from Exuberant Ctags and placing this exe in the directory containing UltraEdit will by default allow UltraEdit to create the tag file.

### **Ctags Configuration within UltraEdit**

The Project menu allows the user to change the Ctags option and to create the tag file. The Ctags option dialog allows for the following three items to be defined:

**Default Tagfile** – This specifies the tag file to be used if there is not a specific project tagfile active (defined in the project settings). This must be present if there is not a project specific tagfile for UltraEdit to lookup symbols.

**CTAG EXE Path/Name** – This specifies the full path and name of the Ctag exe that will be run to create the tag file from within UltraEdit. If this is not present UltraEdit can still reference a tagfile for symbols but it cannot create one. The default setting for this is "ctags.exe" in the directory containing UltraEdit.

**CTAG Parameters** – This specifies the parameters to be passed to the Ctag exe for it to function correctly. The default settings are set up for "Exuberant Ctags" as described above.

%fi on the parameter line is replaced when the ctag exe is run with the filename/path of a file that contains a list of files that the ctag.exe will use to create it's tags from. If a project is loaded in UltraEdit, UltraEdit creates a temporary file with a list of the project files and passes this in place of %fi.

%fo on the parameter line is replaced with the full filename/path of the tag file to be created. This would be the tag file specified in the project, or the Default Tagfile defined above.

### **Creating the Tag File**

The tag file can be created directly from the Project Menu with the "Create CTAG file" item, or when a project is opened the tag file can be created automatically if the project settings specify this.

## **Finding a Symbol/Tag**

The whole purpose of Ctags is to be able to quickly find a function or object that is defined elsewhere in the file or another file. Assuming the tag file exists, selecting "Find Symbol" from the Search menu will search the tag file for the symbol and if only one match is found the file will be opened in UltraEdit and the file positioned to the symbol. If multiple matches occur, a dialog box will be shown giving the user the option to position to the appropriate tag.

## ***Character Properties***

This command causes a dialog to be displayed showing the decimal value and hexadecimal value of the active byte as well as how this will be displayed (this may vary based on font and script). Along with this the offset of the active byte is displayed in both decimal and hexadecimal formats.

## ***Back/Forward***

UltraEdit maintains a rotating list of positions that the user last edited, changed position from, or jumped to another file from with the Find Symbol command. This allows the user to quickly jump back to a previous position or file after changing position within a file, or to another file.

The Back command repositions the cursor to the previous position/file in the list. When a user jumps back, the Forward command is enabled enabling the user to navigate forward again to the position the user just came from.

When a change is made, or a reposition occurs that updates the list of remembered positions, the new position is added to the list at the current list position. This enables the user to continue to navigate forwards/backwards as desired.

When editing within a file, only the last edit position is remembered since the last reposition, not every position for each character added or change made in sequence is remembered.

## ***Incremental Search***

This command is similar to the Find command. It performs a find, however instead of waiting for the complete search string to be entered it will search for the closest match as the string is typed, repositioning to the found string as it is typed. This makes it a lot quicker in many cases to find the correct occurrence of a string.

If an error is made while typing the string, backspace may be used to modify what has already been entered. If backspace is used, the search will begin again from the original position finding the first occurrence of the modified string.

At any time during the search pressing Escape or any of the cursor keys will cause the search to stop. If focus is changed from the edit window this will also stop the search.

While the search is active the search string is shown in the status bar.

At the end of an incremental search the Back command may be used to position to the original position prior to the start of the search.

## Chapter 6 Project Features

This section describes the project features available within UltraEdit. This section will describe the uses of the project/workspace features and show the various methods for opening, closing, and deleting projects.

The following topics will be covered:

Project Menu Commands

Project/Workspace

New Project

Workspace

Project

Opening a Project/Workspace

Closing a Project/Workspace

Deleting a Project/Workspace

File Management

Adding Project/Workspace Files

Deleting Project/Workspace Files

Associating Project/Workspace Files

Accessing Projects/Workspaces

File Menu

Project Menu

### ***Project Menu Commands***

The Project menu allows you to manage your projects or workspaces. This provides an easy way to group associated files.

This functionality combines the grouping of files for quick access via the Files dialog and the saving/restoring of the open file's state.

|                   |   |
|-------------------|---|
| New Project       | creates and opens a new project file            |
| Open Project      | opens an existing project file                  |
| Close Project     | closes a project                                |
| Files/Settings    | adds, removes or opens files within the project |
| Create CTAG File  | creates tag file                                |
| CTAG Options File | set up options for Ctags                        |

### ***New Project command***

The New Project command allows you to create a new project/project file. A project allows you to manage your projects or workspaces. This provides an easy way to manage and group associated files. In many instances a group of files may be related and while editing a particular file there may be reason to edit or view other associated files. These files can be grouped as a project/workspace.

Grouping these files into a project allows you to easily access and/or open all the associated files when needed without having to search for them. The project support provides combined project and workspace functionality. In many cases it may be convenient to use the automatic workspace support as described below:

## **Workspace**

The workspace functionality saves the state of all open files in the project file when the project is closed including window position, cursor position and which files are open.

When a project is opened all the files that were previously opened when the project was closed are opened automatically. The files do not have to be specifically added to the project via the Files dialog.

## **Project**

The project functionality allows files to be associated together even if they are not currently open in the editor. Files may be added to the project or removed from the project via the Files dialog. The files within the project can easily be opened via the Files dialog.

### ***Open Project command***

The Open Project command allows you to open an existing project that must previously have been created with the New Project command. When a new project is opened the current project (if opened) will be closed. The option will be given to close files that are currently open. When the project is opened, any files that were previously open when the project was last closed will be opened automatically.

### ***Close Project command***

The Close Project command closes the currently opened project. The state of all files will be saved in the project file allowing them to be opened automatically when the project is next opened. The option will be given to close files that are currently open.

Note: If the Close All Files command from the File menu is used to close project files all files that were open for edit in the project will be stored in a closed state and will not be opened the next time the project is used.

## ***Files/Settings***

The project files feature allows a user to store the filenames of files associated to the project to allow the user to quickly reference and open in the future.

When the project files menu item is selected, a dialog is displayed that allows the user to open one or more of the files and modify the list of files.

UltraEdit allows a "Project Directory" to be specified and in conjunction with this the option to use "Relative Paths". If these are set up, UltraEdit will store the filenames relative to the project directory allowing the paths to be maintained (by changing the project directory) if the user moves the project. The relative paths must be below the project directory. Additionally, if the "Relative to Project File" setting is checked, the project files will be set as relative files to the directory in which the project file resides. This allows the project file and its files to be stored in the same directory and when moved together the project directory would not need to be updated.

In some cases it is advantageous to group multiple sets of files together within a single project. UltraEdit provides for grouping of these files in named groups. These groups may be added or deleted as needed and files may be added to each group. When a new group is created it will automatically include any files currently shown in the Project Files List allowing the user to migrate files from an existing project/group to a new group.

The dialog shows a list of files that are part of the project. The following controls are used to manage the list:



## **Filter**

The filter entry allows the user to specify a file filter that will be applied to the files that are part of a folder group. Only files matching the filter will be added to the group when the folder is updated.

## **Open**

The open button opens the selected files from the list and closes the dialog. Multiple files may be selected from the list and opened at once. Any changes to the list are saved. DOUBLE CLICK of any files in the file list will perform the open command.

## **Close**

The close button closes the dialog. Any changes to the list are saved.

## **Update**

This updates the project information (committing the changes) and refreshes the project list.

## **New Group**

The new group button presents a dialog box to the user allowing the user to specify the name of the group about to be added. Nested groups are permitted.

## **Add File**

The add file button presents a file open dialog allowing the user to browse for a file to add to the list. If a valid file is selected the file is added to the list.

Multiple files may be selected by holding the CTRL key and clicking on files with the left mouse button. Alternatively, clicking on one file and holding the SHIFT key while clicking on another file will cause all files listed between them to be selected as well.

## **Add Active File**

The add active file button adds the filename of the active file in the editor to the file list.

## **All Open Files**

The +all open files button adds the filenames of all files in the editor to the file list.

## **Add Folder**

The add folder button presents a dialog allowing the user to browse for a directory/folder that is to be added to the project. The folder will be considered a group and all files in it that match the filter will be part of the project. The contents of the folder are not stored but dynamically updated when the project folder is referenced.

## **Remove Item**

The remove file/group button removes any selected files or groups from the file list.

Up to 2000 files may be added to a project.

### **Include sub folders when adding folder (applies to all folders)**

This setting, when checked, causes all sub-folders and appropriate files to be added to the project when a folder is added to the project. If set, anytime project files are referenced a recursive search for the files will be made through the sub folders of the main folder.

### **Optional Wordfile**

The Optional Wordfile entry box allows the user to specify a different wordfile to be used for Syntax Highlighting when the project is active. If the path is fully qualified it will be an absolute path to the wordfile, otherwise the path would be a relative path to the project directory or project file (based on settings above).

### **Optional CTAG File**

The Optional CTAG File entry box allows the user to specify a tag file to be used with Ctags. If this is not specified the default tag file will be used.

### **Create CTAG File on Project Load**

If this item is checked, UltraEdit will automatically create the Ctags tag file when the project is loaded.

## Chapter 7 Display Features

This section describes the display features available within UltraEdit. It will show the various options associated with setting up the user views, fonts, printer fonts, and more.

The following topics will be covered:

View Menu Commands

Toolbar

- Toolbar Options

- Displaying/hiding the toolbar

- Configuring the toolbar (See Configuration section)

Status Bar

- Displaying/hiding the status bar

- Reading the status bar

  - Help Prompts

  - Line/Column Number

  - File Type

  - Read Only

  - Date/Time Modified

  - File Size / Bytes Selected

  - Status Indicators

File Tabs

- Displaying/hiding file tabs

- Navigating using file tabs

- File tab information (saved/unsaved)

Output Window

- Displaying/hiding the output window

- Uses for the output window

Fonts

- Setting display fonts

- Setting printer fonts

- Mirroring the display font

- Fixed pitch font information

Colors

- Setting window colors:

  - Text

  - Background

  - Bookmarks

  - Selected Text

  - Selected Text Background

  - Line/Column Text

  - Line/Column Text Background

- Setting Default Colors

Tabs/Spaces

- Showing Tabs and Spaces

- Why would I show tabs and spaces?

Column Markers

- Setting Column Markers

- Displaying Column Markers

- Locking Text Left of the First Column Marker (Fixed Columns)

Rulers/Line Numbers

- Displaying/Hiding Rulers

- Displaying/Hiding Line Numbers

ASCII Table

- Displaying the ASCII Table

Inserting characters from the ASCII Table  
Tag List  
Tag List Modify

### **View Menu Commands**

The View menu offers the following commands:

|                                  |  |
|----------------------------------|--|
| Views/Lists                      | shows a submenu of toggled items   |
| Toolbar                          | shows or hides the toolbar   |
| Status Bar                       | shows or hides the status bar  |
| Open File Tabs                   | shows or hides file tabs   |
| File Tree View                   | shows or hides the file tree view  |
| Function List                    | shows or hides the function list   |
| Macro List                       | shows or hides the macro list  |
| Tag List                         | shows or hides the tag list  |
| Output Window                    | shows or hides the output window   |
| View as (Highlighting File Type) | shows file with selected syntax highlighting                             |
| Set HEX/Column Mode Font         | select the screen font to use for HEX and Column Mode                    |
| Column Mode                      |  |
| Set Font                         | select the screen font to use  |
| Set Printer Font                 | select the printer font to use   |
| OEM Character Set                | forces font to OEM Character Set   |
| Mirror Display Font              | use display font for the printer   |
| Reset Fonts (Default)            | reset the screen and printer fonts to default settings                   |
| Increase Font Size               | increase font size (Zoom In)   |
| Decrease Font Size               | decrease font size (Zoom Out)  |
| Set Colors                       | set the screen colors for text, background, bookmarks and column markers |
| Show Spaces/Tabs                 | show spaces, tabs and new line characters as visible characters          |
| Set Column Markers               | set Column Markers   |
| Show Column Marker 1             | enable first column marker defined                                       |
| Show Column Marker 2             | enable 2 <sup>nd</sup> column marker defined                             |
| No Scroll Left Side of Marker 1  | toggle fixed pane/columns left of 1 <sup>st</sup> column marker          |
| Display Ruler                    | toggle the column ruler indicator at the top of each window              |
| Display Line Numbers             | toggle the line number display at the left of each window                |
| Spacing - Single                 | view document with single spacing  |
| Spacing - 1 ½ Spacing            | view document with 1 ½ spacing   |
| Spacing - Double                 | view document with double-spacing  |
| ASCII Table                      | show ASCII table   |

|                  |                                      |
|------------------|--------------------------------------|
| Hide/Show Lines  | hide or show selected lines          |
| Full Screen Mode | edit active file in full screen mode |

### ***View as (Highlighting File Type)***

This allows the user to override the Syntax Highlighting selection made by UltraEdit based on the file extension and view any file as one of the available languages.

The menu selection allows selection for any of the languages available within Syntax Highlighting and a selection of no highlighting.

If the user uses this feature to override the syntax highlighting the override will stay in effect until the file is closed, or saved under a new name.

### ***Toolbar command***

Use this command to display and hide the Toolbar, which includes buttons for some of the most common commands in UltraEdit, such as File Open. A check mark appears next to the menu item when the Toolbar is displayed.

### **Toolbar**

The toolbar is displayed across the top of the application window, below the menu bar. By left clicking on the border of the toolbar and dragging one may move the toolbar to another position. Double clicking on the title bar of the toolbar will return the toolbar to its “docked” position. The toolbar provides quick mouse access to many tools used in UltraEdit.

To hide or display the toolbar, choose Toolbar from the View menu (ALT, V, T).

The contents of the toolbar are user configurable. Buttons may be added or deleted via the Toolbar in the Configuration page under the Advanced menu. Please see Chapter 12 Configuration Features for more details.

### ***Status Bar command***

Use this command to display and hide the Status Bar, which describes the action to be executed by the selected menu item or depressed toolbar button, and keyboard latch state. A check mark appears next to the menu item when the Status Bar is displayed.

### **Status Bar**

The status bar is displayed at the bottom of the UltraEdit window. To display or hide the status bar, use the Status Bar command in the View menu.

### **Status Bar Contents (from left to right)**

#### **Help Prompts**

The left area of the status bar describes actions of menu items as you use the arrow keys to navigate through menus. This area similarly shows messages that describe the actions of toolbar buttons as you depress them, before releasing them. If after viewing the description of the toolbar button command you wish not to execute the command, then release the mouse button while the pointer is off the toolbar button.

#### Line/Column Number

The line number (if enabled) of the cursor in the file, and the column number are displayed together in a single panel. In HEX mode this displays the cursor position in HEX and Decimal values.

#### File Type

The file type indicates if the file is a DOS file, UNIX file or MAC file.

#### Read Only

This field displays "R/O" if the active file is in a Read Only status. If the file is writable this field will be blank.

#### Date/Time

The date and time the active file was last modified (prior to this session). For new files the date and time shown is the creation date and time.

#### File Size / Bytes Selected

This displays the file size of the active file. The file size is updated when UltraEdit writes any changes to the disk. If a portion of the active text is selected this field will display the number of bytes selected.

#### Status Indicators

The right areas of the status bar indicate which of the following keys are latched down:

| Indicator | Description                       |
|-----------|-----------------------------------|
| OVR       | the overstrike mode is selected   |
| CAP       | the caps lock key is latched down |

### Insert/Overstrike Modes

UltraEdit allows editing in both insert and overstrike modes. The mode of operation is indicated in the status bar at the bottom of the UltraEdit window. The insert/overstrike mode is changed with the INSERT key. The mode is toggled when the INSERT key is pressed.

If insert mode is selected, the second area of the status bar is clear, if overstrike mode is selected, the second area of the status bar shows 'OVR'.

Insert mode causes a character to be inserted into the document at the position of the cursor. Overstrike mode causes the character immediately to the right of the cursor to be overwritten by the new character.

If the editor active window is in HEX mode, the active window is always in overstrike mode. To insert text in HEX mode, use the HEX Insert/Delete selection from the Edit menu.

## **Open File Tabs<sup>†</sup>**

This menu item enables or disables the TAB control that allows the user to select between open documents. The tab control allows easy selection between open documents while maintaining all other window switching and display functionality.

If you right click on the open file tabs a pop-up menu is displayed with several file options.

The TAB control may be dragged from its default docked position at the top of the main window and docked at the bottom of the window, or left standalone. If it is standalone, it may be resized vertically and horizontally as desired.

Additionally, the individual tabs may be dragged to a new location. To drag a tab, left click on the tab you wish to move and while holding the mouse button down, move it over the tab you wish to insert before and release the mouse button. When dragging tabs, the tab will always be inserted before the tab that you "drop" the tab on. The tab will only be moved if you release the mouse button while positioned over an existing tab.

When the TAB control is in its default docked position, scroll arrows appear if more documents are open than can be displayed.

The TAB control may be resized. If resized while docked so that more than one row of tabs is shown the scroll arrows will no longer be available.

Right clicking on an open file tab will allow the file tabs to be sorted. These will be sorted alphabetically when the command is performed. Due to the operation of the underlying control used, if multiple lines are displayed the underlying control will reorder the ROWS of tabs but internally keep the order the same. This means that the sort will work but the rows may not be in order and will change order if a file from a different row is selected.

Double clicking on the File Tab for an open document will close the document.

If the cursor is positioned above a File Tab a tooltip will be displayed showing the full path of the related file.

## **Using File Tabs**

File tabs allow the user to open multiple files at once and easily keep track of files currently in use. By left clicking on a file tab one may move from one file to another.

Right clicking on a file tab will open a special menu with the following options:

- Close
- Save
- Save As
- Conversions >
- Special >
- Print
- Print Preview
- Restore
- Minimize
- Maximize

This "short" version of the File menu lists the most-used file functions. If all files are minimized, choosing "maximize" from this menu will maximize all open files.

---

<sup>†</sup> This feature is only available in the 32-bit version of UltraEdit.

## **File Tree View<sup>†</sup>**

This menu item enables or disables the File Tree View.

The File Tree View shows a list of files or directories for the selected drive in a tree type format. The Drive/File List shows the drives available and additionally allows a selection for displaying all the open files or files in the current project.

Double clicking on any of the files in the Tree View will open or activate the file. Multiple files may be selected and opened at once. (To select multiple files, use the left mouse button and the shift key to select between two files, or the control key and the left mouse button to select multiple non-contiguous files).

The "Filter" entry box allows the user to specify a file filter that will be applied to the files shown when viewing one of the drives. It does not apply when showing project or open files.

Several functions are available by right clicking on the appropriate file. These are dependent on the list being shown.

## **Open Files**

If the list of files shown is the currently open files the following functions are available when the right click menu is shown. All of the functions below work on ALL the selected files:

|                         |   |
|-------------------------|---|
| Close                   | closes an opened document                             |
| Save                    | saves opened document using same file name            |
| Print                   | prints a document                                     |
| Tile Horizontal         | arranges windows in non-overlapped horizontal tiles   |
| Tile Vertical           | arranges windows in non-overlapped vertical tiles     |
| Show Name Only          | displays file names only (no path)                    |
| Allow Docking           | permits docking of File Tree View vs. "floating" view |
| Hide File List          | dismisses File Tree View                              |
| Make Folder Active Path | sets File Tree View to folder of active file          |

All of the above functions work on ALL selected files.

## **Project Files/Drive**

If the list of files shown is the currently open files the following functions are available when the right click menu is shown:

Open Selected File - This will open the selected file(s) in the editor.

Properties - This displays the normal file properties shown in Microsoft Explorer.

## **Common**

At any time right clicking on the Tree View will provide options to hide the view, or to disable the docking. If it is not docked it will show as a window unattached to other windows.

---

<sup>†</sup> This feature is only available in the 32-bit version of UltraEdit.



## **Function List**

This menu item enables or disables the Function List. Selection of this item only makes the Function List visible; it does not populate the Function list. If the list has not been populated the message "No Functions!" will be displayed in the Function List. To list the functions in a file select Function List from the Search menu or press F8.

## **Macro List**

This menu item enables or disables the Macro List. If no macros are available for use (see Load and Set Auto Load commands under Macro menu) the message "No Macros!" will be displayed in the Macro List. Double clicking on macros displayed in the Macro List will activate them.

Right clicking in the Macro List will display a menu with the following options:

|               |  |
|---------------|--|
| Modify Macro  | invokes the Modify Macro dialog                                    |
| Allow Docking | allows the Macro List to be docked outside of the UltraEdit window |
| Hide          | hides the Macro List   |

## **Tag List**

This menu item enables or disables the Tag List showing predefined "tags". A tag is simply a short string of characters and the name "tag" is used as this feature is commonly used for "HTML Tags".

The purpose of the tag list is to provide a method to easily insert into a document commonly used tags/strings without having to type them. The Modify button allows the list of tags to be modified.

To insert a tag, select the tag you wish to insert and click on insert or double click on the tag. When the tag is inserted into the active document, the start tag (if defined) is inserted at the beginning of any text selected and the end tag (if defined) is inserted at the end of the current selection. If no selection is made the tags are inserted at the cursor location.

Multiple groups of tags may be defined and the group may be selected from the drop-down list.

The dialog is "non-modal" and can be displayed while continuing to edit the document - it is not necessary to close it to continue editing.

## **Tag List Modify**

Right clicking in the Tag List and selecting Modify Tags allows the Tag List to be modified.

The filename field must be filled in. This is the file used for storing the tags. A New File may be created or the Browse button may be used to select an existing tag list file.

The tags may be split into groups for association. At least one group must exist to add any tags and this may be defined with the New Group button.

Each tag may have a start and end tag. The tags are entered in the boxes provided and can be inserted to the tag list with the Add Tag button or may be used to replace the selected tag.

Clicking on an existing tag in the list will fill in the Begin Tag and End Tag boxes for easy modification.

When a New Group is added or a different group selected a prompt is issued asking if any changes made should be saved.

## Creating Custom Tag Lists

During installation UltraEdit-32 creates a file called taglist.txt in the directory to which UltraEdit is installed. If you are not sure where this file is located you can find the path to "taglist.txt" by typing CTRL+F8 to activate the Tag List dialog and pressing the Modify button. The full path of taglist.txt will be displayed at the bottom of the dialog box in a textbox labeled "Filename:".

The Tag List file contains three section labels:

```
[TagList]
[Group List]
[Tag Group]
```

### [TagList]

This identifies the most recently used tag group. If you are creating a new tag list you do not have to have this section label in your tag list; UltraEdit will add it. However, if you do not have an ActiveGroup specified here the Tag List dialog will appear blank until you select a tag group from the combo box at the bottom of the dialog.

If you do want to specify a tag group to appear in the Tag List dialog on startup it should be specified as follows:

```
[TagList]
ActiveGroup=HTML - Tags
```

### [Group List]

This identifies the list of all Tag Groups that will be recognized in the rest of the file and displayed in the Tag List dialog. It is important that Tag Groups are referenced exactly as they appear in the Tag Group header described below. If they are not referenced exactly as they appear in the Tag Group header they will not be displayed in the Tag List dialog. Example:

```
[Group List]
0=HTML - Special Characters
1=HTML - Tags
2=
```

### [Tag Group]

This will head each language-specific tag group (e.g.):

[Tag Group - HTML - Special Characters]. Without this section header, UltraEdit will not recognize a tag list.

Please note: Format IS important. If you choose to create your own tag list please ensure that you follow these guidelines.

All lines in a tag group must be preceded by sequential line numbers starting with a "0" at the beginning of the tag group. The line number must be followed by an equal sign and terms defined for the tag group must be enclosed in double quotes (e.g.):

```
0="&Aacute;"
1="&aacute;"
2="&Acirc;"
```

For languages that allow open and close tags you may list both so that text may be highlighted and tags may be inserted bracketing the selected text. Please specify these tags as follows:

0="<!-- ... -->"

1="<A> ... </A>"

2="<A HREF=> ... </A>"

## **Adding Individual Tag Lists**

If you wish to add tag lists to the default taglist.txt for UltraEdit-32 please append the tag list you download at the end of the file taglist.txt.

[Group List]

0=COLD FUSION - Tags

1=HTML - Special Characters

2=HTML - Tags

Any tag lists you append to taglist.txt must be listed under "[Group List]" to be active. The full group name should follow the number assigned to the tag group. Ensure you type the entire description that appears at the top of the tag group in the brackets (i.e. for Cold Fusion you would type "0=COLD FUSION - Tags").

### **[Tag Group - HTML - Special Characters]**

Any tag group you add must have a header as shown above. All information between "[Tag Group - " and the closing bracket "]" should be used to identify your tag group under [TagList] and [Group List].

## **Replacing the Default Tag List with Any Available Tag List**

If you wish to replace the default Tag List with any available tag lists please rename taglist.txt to taglist.bak and open the selected file and copy it to taglist.txt in the directory where you have installed UltraEdit.

## ***Output Window***

This menu item enables or disables the Output Window. The Output Window is used to capture the output from user tools (see Tools Configuration) or from the Find in Files output.

When lines are added to the Output Window from a tool (not Find in Files) the list is scrolled down automatically enabling the user to see the end of the results without having to scroll.

Double clicking on a line containing the filename and line number will cause UltraEdit to attempt to open the file specified at the line number. If the filename is fully qualified the filename will be located and the number after this will be used for the line number. If the filename is not fully qualified UltraEdit will attempt to determine the filename from the first word in the line that contains a period. UltraEdit will then open the specified file in the directory of the active file. If the file does not exist in the directory of the active file, UltraEdit will try and open the file from the Project Directory if it is specified.

Double clicking on one of the result lines will cause UltraEdit to position to that line in the file and the focus will change to the file. If Enter is pressed while focus is in the Output Window UltraEdit will position to that line and focus will remain in the Output Window. Ctrl+Enter will also position to the line in the file and the focus will change to the file.

With the release of v6.20 the Output Window includes two added Context menu (right-click) options: Clear Output and Copy to Clipboard.

### ***Set HEX/Column Mode Font***

The Set Hex/Column Mode Font menu item presents the Choose Font dialog box that allows selection of different fonts and font sizes. The selection made will apply when editing in HEX mode or in Column mode. UltraEdit will automatically switch to this font when HEX or Column modes are selected.

**For normal font selection use Set Font from the View Menu.**

### ***Set Font***

The Set Font menu item presents the Choose Font dialog box that allows selection of different fonts and font sizes. The selection made will be applied to the screen fonts and the printer font if the Mirror Display Font menu item is checked on the View Menu. If this item is not checked, the printer fonts have been selected independently from the screen fonts.

Font selections may be reset to default values by selecting the Reset Fonts menu item.

Note: If the printer does not support the selected font, Windows automatically adjusts to the closest font.

### ***Choose Font dialog box***

UltraEdit allows selection of fonts for the screen and printer. The selection of screen fonts will also apply to the printer if the Mirror Display Font menu item is checked on the View Menu. If this item is not checked, the printer fonts have been selected independently from the screen fonts.

The Font dialog is presented when font selection is selected from the View Menu. It will be presented if either the Set Font or the Set Printer Font is selected.

The Font dialog presents a selection of installed fonts that may be selected for use. If the fonts are being selected for the printer, only fonts applicable to the printer are available. Selection of font and font size is available.

Additionally, the option to "Use OEM Fixed Pitch Font" allows the user to specify an internal Windows OEM fixed pitch font to be used instead of one of the normal installed fonts.

### ***Mirror Display Font***

The Mirror Display Font menu item instructs UltraEdit to use the font that is selected for the screen when printing. This overrides any font selection already made for the printer with the Set Printer Font menu item.

### ***Set Printer Font***

The Set Printer Font menu item presents the Font dialog box that allows selection of different fonts and font sizes for use by the printer. The selection made will apply only to the printer fonts. Selection of the printer fonts deselects the Mirror Display Font menu item on the View Menu. Only fonts applicable to the printer will be available.

Font selections may be reset to default values by selecting the Reset Fonts menu item.

### ***OEM Character Set***

This setting forces all fonts to show upper ASCII characters with the OEM Character Set (assuming the font supports it). This allows DOS files with upper ASCII characters to be shown correctly with the ASCII character set instead of with the ANSI (Windows) character set.

### ***Reset Fonts (Default)***

The Reset Fonts menu item instructs UltraEdit to reset user selections of the screen and printer fonts to the default settings. Any user selections of the screen fonts made with the Set Font menu item or printer fonts made with the Set Printer Font menu item will be lost.

### ***Increase/Decrease Font Size***

These items allow a user to zoom in and out of a document by increasing and decreasing the font size by about 1 point size with each change. These settings are retained for all documents once they are changed.

### ***Set Colors***

This menu item allows the user to configure the color of the following items:

- Regular text
- Background
- Bookmark highlighting
- Selected text color
- Selected text background
- Line/Column display text
- Line/Column display background
- Active Line
- Active Line Background
- Column Markers

By clicking on the color a new color may be selected from the color dialog box. Only solid colors are valid for the background colors and bookmark color selections.

The background and bookmark colors are used for all files. The text color is used for all files that are not recognized by the Syntax Highlighting.

### **Show Spaces/Tabs**

This menu item allows the displaying of spaces, tabs and new line characters as visible characters on the screen. It does not change the document, but allows you to clearly distinguish between the different characters.

Spaces are shown as:       ‘.’

Tabs are shown as:       ‘»’

New lines are shown as:   ‘¶’

If there is not enough room to show the ‘»’ with the tab, the tab will appear as normal, and non-visible.

### **Set Column Markers**

This menu item presents a dialog box allowing the user to specify the column numbers at which markers are displayed.

Two markers may be configured and displayed. A column marker is a thin vertical line that indicates the position of the column on the screen. If a column marker is specified to be at column 80, the marker is placed between the 80<sup>th</sup> column and the 81<sup>st</sup> column.

The column markers may be enabled/disabled independently using the menu items Show Column Markers.

### **Show Column Marker 1/2**

These menu items toggle on and off the display of the column markers that may have been configured with the Set Column Markers menu item.

### **No Scroll Left Side of Marker 1**

This menu item works in conjunction with the column markers. When this item is checked (enabled) the columns to the left of the 1<sup>st</sup> column marker are fixed and do not scroll horizontally. The columns to the right of the column marker will scroll as normal when the horizontal scroll bar is used or when the cursor is positioned to the right hand side of the window forcing a horizontal scroll.

If this feature is enabled, columns to the right of the marker will scroll horizontally while columns to the left will not. While the horizontal scroll is in effect, any mouse selection or clicking of the primary mouse button within the fixed portion of the display will cause the horizontal scroll position to be reset allowing viewing and editing of the continuous columns.

If the 1<sup>st</sup> column marker is disabled or set to 0 this function will have no effect.

## ***Display Ruler***

This menu item toggles the column ruler that displays the column numbers at the top of each window.

The ruler indicates the column number in even increments. For fixed pitch fonts this will show the correct column indication. For variable pitch fonts, this will show the column numbers based on the average character width for the active font.

The ruler colors may be set with the Set Color dialog.

## ***Display Line Numbers***

This menu item toggles the line number display on the left-hand side of the window. The line numbers are shown in a fixed area on the left-hand side of the Window for each file if this item is checked. The font used is automatically selected based on the current font and is slightly smaller than the selected font for display.

The color of the line numbers may be set with the Set Color dialog.

To print a file with line numbers, make the appropriate selection under the Page Setup dialog (File Menu).

Line numbers may be disabled using the Disable Line numbers selection on the General Configuration Page.

## ***Line Spacing***

These items provide for Single, 1 ½ and Double spacing. This allows a document to be viewed and printed with additional spacing between each line of text.

If Single spacing is selected, each line is displayed and printed with the normal character height and line spacing.

If 1½ spacing is selected, each line is displayed and printed with the 1 ½ the normal character height for the line. The actual characters are the normal height but spacing allocated for the line is increased giving additional room for notes to be handwritten between lines.

If Double spacing is selected, each line is displayed and printed with the 2 times the normal character height for the line. The actual characters are the normal height but spacing allocated for the line is increased giving additional room for notes to be handwritten between lines.

## ***ASCII Table***

This feature displays a pop-up dialog that contains an ASCII Table.

This table contains the following columns:

## ***Character***

This column shows the characters as they would be displayed using the selected font. The font may be changed using the "Select Font" button.

## **Decimal #**

This is the decimal value of the character in the range of 0 to 255. Characters not available on the keyboard may be inserted into UltraEdit by holding down the ALT key and typing their four-digit decimal equivalent on the numeric keypad. For example, ALT+0225 will insert the character "á".

## **Hexadecimal #**

This is the hexadecimal value of the character in the range of 0 to FF.

## **Name #**

This is the recognized name for the character. This is for the first 32 characters only.

## **Ctrl Character #**

This is the recognized control character that the character represents. This is for the first 32 characters only.

To view the characters with a different font use the "Select Font" button. When the ASCII Table starts up it defaults to the font currently selected within the editor.

If you wish to insert any of the characters in to the active file select the character and click the "Insert Char" button or double click the character in the table.

## ***Hide/Show Lines***

This function allows a user to select some number of lines and to hide these such that they will not be visible on the screen, or if lines are hidden they will be shown.

## **Hiding Lines**

To hide a set of lines, select the lines you wish to be hidden and invoke the feature from the Menu Item or from the shortcut. When the lines are hidden, a single line will be displayed as follows:

---- Hidden Lines Follow ----

This will be shown in reverse text/background colors.

Multiple sections may be hidden at one time. Changes made to the file will update the hidden regions in most cases such that the hidden lines are maintained. In a few instances (file sort for example) this may not be possible and the hidden lines may be offset requiring them to be hidden again.

Clicking on or otherwise trying to edit the title line showing the lines will cause the section no longer to be hidden. This may be re-hidden by using this Hide Lines feature without a selection – in this case, the last set of lines that was hidden and then shown will be hidden again.

This command can be used from within Macros.

## **Un-Hiding Lines**

To display a set of lines that is hidden, click on the title line showing the hidden lines or position to it via some other means and use this Show Lines command. Attempting to modify the title line will also cause the lines to be shown.



## **Saving the Hidden Lines**

If the user has the configuration option set to "Save Bookmarks" the hidden line information will also be saved and reloaded when the file is next loaded.

## ***Full Screen Mode***

This function allows active file to be edited use the whole screen. No toolbar, status bar or other windows that may be visible will be visible. A small window with an icon on it will be shown to allow the user to switch back to normal editing. Additionally, the ESCAPE key may be used to cancel the full screen mode.

When the full screen mode is cancelled, the main UltraEdit window and editing window will be returned to its previous state.

## Chapter 8 Format Features

This section describes the formatting features available within UltraEdit. This provides the flexibility required to deal with different file types and formats as well as helpful reformatting features needed by most users.

The following topics will be covered:

Format Menu Commands

Reformat Paragraph

Carriage Return/Line Feed Conversion:

- Removing CR/LF's from text/file

- Adding CR/LF's to text/file

Tabs & Spaces:

- Changing tabs to spaces

- Changing spaces to tabs

- Trim Trailing Spaces

OEM/ANSI:

- What are OEM and ANSI?

- Converting OEM format files to ANSI

- Converting ANSI format files to OEM

Capitalization:

- Change selected text to all upper case

- Change selected text to all lower case

- Capitalize selected text

- Invert existing capitalization

Indentation:

- Add Indents

- Remove Indents

Page Breaks:

- Inserting Page Breaks

- Removing Page Breaks

### ***Format Menu Commands***

The Format menu offers the following commands:

|                         |  |
|-------------------------|--|
| Reformat Paragraph      | reformats paragraph to wrap at column number with hard returns |
| Paragraph Formatting    | aligns paragraph - Left/Right/Center/Fill                      |
| Convert CR/LF's to Wrap | converts CR/LF's to Word Wrap for selected text                |
| Convert Wrap to CR/LF's | converts Word Wrap to hard CR/LF's for complete file           |
| OEM to ANSI             | converts OEM character set to ANSI character set               |
| ANSI to OEM             | converts ANSI character set to OEM character set               |
| Tab to Spaces           | converts tabs to spaces  |
| Spaces to Tabs(All)     | converts all spaces to tabs                                    |
| Spaces to Tabs(Leading) | converts leading tabs to spaces                                |
| Trim Trailing Spaces    | trims the trailing spaces from each line                       |
| To Upper Case           | converts the selected text to upper case                       |
| To Lower Case           | converts the selected text to lower case                       |
| Capitalize              | capitalizes first character of each word in selected text      |

|                                  |  |
|----------------------------------|--|
| Invert Case                      | inverts the case (lower/upper) of each character of selected text          |
| Add Indents                      | presents a dialog to allow adding indentation to selected rows of text     |
| Remove Indents                   | presents a dialog to allow removing indentation from selected rows of text |
| Insert Page Break                | inserts a page break at the cursor position                                |
| CSE HTML Validator (and options) | runs the CSE HTML Validator/sets up its options                            |
| HTML Tidy                        | checks and tidies up HTML files  |
| Reindent File                    | reindent active file   |

### ***Reformat Paragraph command***

Use this command to format the current paragraph (or selected text) to the specified column number boundary. The column number is specified in the Advanced Configuration (TAB/Word Wrap Settings) page. A paragraph is determined as having two hard returns in succession (i.e. a blank line).

All hard returns are removed for the paragraph, and the paragraph is reformatted to the appropriate column boundary.

The whole file may be reformatted using the Select All command from the Edit menu (or CTRL+A) to first select the complete file, then Reformat Paragraph to reformat it.

If the Auto Indent feature is enabled the paragraphs will be automatically indented based on the first line of the paragraph.

The settings used in the Paragraph Reformatting dialog will be used for this command.

### ***Paragraph Formatting***

The paragraph formatting allows the user align the paragraph in the following manners:

|              |  |
|--------------|--|
| Left Align   | Text will be left aligned against the left margin and will not extend past the right margin.   |
| Center Align | Text will be centered between the left and right margins.  |
| Right Align  | The text will be right aligned against the right margin and will not extend past the left margin.  |
| Fill         | The text will be aligned between the right and left margins with spaces added between words to ensure alignment to both margins. The last line of the paragraph will be aligned only to the left margin. |

Each of the separate alignment commands may be selected individually from the menu, or invoked from the Paragraph Setup/Reformatting dialog.

The **Paragraph Setup/Reformatting** dialog specifies the parameters used for reformatting. These parameters are used when one of the paragraph formatting commands are used.

The parameters are:

**Hanging Indent** This applies to the left alignment only. If set, the alignment will allow a second margin to be specified that is used for the second and successive lines of a paragraph. This causes the first line of a paragraph to be indented with one setting and the rest of the paragraph to have a different setting. If this is set, the hanging indent value may be entered in the dialog.

**Margins - Use paragraph left margin**

This instructs UltraEdit to use the existing left margin of the paragraph that is being reformatted rather than specifying a new margin value.

**Margins - Specify margin**

This setting instructs UltraEdit to use the left margin value entered in the dialog as the indentation for the left margin when reformatting the paragraph.

**Margins - Right margin**

This setting specifies the right margin to be used when reformatting the paragraph. This is the last column number (starting at 1) at which text may be placed.

The margin settings above will be used for all reformatting commands including the Reformat Paragraph command. All hard returns are removed for the paragraph, and the paragraph is reformatted based on the settings. The complete file may be reformatted using the Select All command to first select the complete file, and then reformat it.

### ***Convert CR/LF's to Wrap***

Use this command to remove the CR/LF (carriage return/line feed) characters from the file allowing the text to be Word Wrapped by UltraEdit. This feature removes all CR/LF characters for text that is selected. If no text is selected this function has no effect.

To remove all CR/LF characters from the file select the complete file. To do this, position the cursor at the beginning of the file and press CTRL+SHIFT+END at the same time.

To add CR/LF (carriage return/line feed) characters to the file use the Convert Wrap to CR/LF's command.

### ***Convert Wrap to CR/LF's***

Use this command to Word Wrap the text based on either the width of the display window or a specified column number and write CR/LF (carriage return/line feed) characters to the file. If a space is found at the position of the wrap a single space is removed. This allows the document to be saved as viewed in the word wrap state with CR/LF characters inserted at the end of each word wrapped line.

When this item is selected, a dialog box is displayed allowing selection of the wrap parameters. By default, the text will be wrapped based on the current view. That is to say, the text will be wrapped at the window boundary as shown on the screen. This dialog allows selection of a column number at which the text should be wrapped. In this case the text will be wrapped at the specified column or at the preceding word boundary on the line.

This feature works on the complete file if no text is selected. If a selection is made, the feature only converts the selected area.

To remove CR/LF (carriage return/line feed) characters from the file use the Convert CR/LF's to Wrap command.

## **CR/LF fix:**

### **UNIX/MAC to DOS(File Menu>Conversions)**

Some documents generated from UNIX based systems (and some other systems) do not terminate each line with a carriage return and linefeed. UltraEdit requires all lines to be terminated with a carriage return and linefeed character.

This command searches the file for all carriage return and linefeed characters. If a carriage return character is found without an accompanying linefeed character, a linefeed character is added. If a linefeed character is found without a preceding carriage return character a carriage return character is inserted. If a linefeed is found preceding a carriage return the characters are reversed.

### ***Tabs to Spaces***

Use this command to convert all of the tab characters within a file to spaces. This uses the tab settings from the Tab/Word Wrap configuration page (See Chapter 11 Configuration Features) to determine how the tab character/tab stop is to be interpreted. The conversion is performed such that the formatting will remain the same.

If a portion of the file is selected/highlighted only the selected portion is converted, otherwise the complete file is converted.

To convert spaces to tabs use the Spaces to Tabs (Leading) or Spaces to Tabs (All) command.

### ***Spaces to Tabs (Leading)***

Use this command to convert all of the (leading) spaces in a file to tabs. This uses the tab settings to determine how the tab character/tab stop is to be interpreted.

The leading spaces refer to the space at the beginning of a line. Any spaces after the first non-space character in a line will not be converted. To convert all spaces in a line use the Spaces to Tabs (All) command.

The conversion is performed such that the formatting will remain the same. This will mean that where there are insufficient spaces to replace with a tab character and retain the same formatting the spaces will be left in place.

If a portion of the file is selected/highlighted only the selected portion is converted, otherwise the complete file is converted.

To convert tabs to spaces use the Tabs to Spaces command.

### ***Spaces to Tabs (All)***

Use this command to convert all of the spaces in a file to tabs. This uses the tab settings to determine how the tab character/tab stop is to be interpreted.

The conversion is performed such that the formatting will remain the same. This will mean that where there are insufficient spaces to replace with a tab character and retain the same formatting the spaces will be left in place.

If a portion of the file is selected/highlighted only the selected portion is converted, otherwise the complete file is converted.

If you wish to convert only the space at the beginning of a line use the Spaces to Tabs (Leading) command.

To convert tabs to spaces use the Tabs to Spaces command.

### ***Trim Trailing Spaces***

Use this command to remove the trailing white space (tabs, spaces) from the ends of each line. This function removes the trailing white spaces from the end of every line in the file and positions back to the beginning of the file when it is complete.

The General Configuration page provides a setting allowing spaces to be trimmed automatically when a file is saved.

### ***OEM to ANSI***

Use this command to convert a file that uses the OEM character set (usually DOS generated text files) to the ANSI (Windows) character set.

To convert a file from ANSI to OEM, use the ANSI to OEM command.

### ***ANSI to OEM***

Use this command to convert a file that uses the ANSI (Windows) character set to the OEM (DOS) character set.

To convert a file from OEM to ANSI, use the OEM to ANSI command.

### ***Capitalize***

This command changes the first letter of all words in the selected text to upper case and the remaining letters to lower case. There is no limit on the amount of text that may be selected. If Column Mode is selected, the selected columns only are converted. Shortcut Keys: F5

### ***Invert Case***

This command inverts the case of all selected text. There is no limit on the amount of text that may be selected. If Column Mode is selected, the selected columns only are converted.

Shortcut Keys: SHIFT+F5

### ***To Lower Case***

This command changes all selected text to lower case. There is no limit on the amount of text that may be selected. If Column Mode is selected, the selected columns only are converted. Shortcut Keys: CTRL+F5

### ***To Upper Case***

This command changes all selected text to upper case. There is no limit on the amount of text that may be selected. If Column Mode is selected, the selected columns only are converted.

Shortcut Keys: ALT+F5

## ***Add Indents***

The Add Indents menu item presents a dialog that allows the user to specify the number of spaces to add at the beginning of each of the selected (highlighted) lines. UltraEdit starts adding the specified number of spaces to each line beginning with the first highlighted line and ending with the last line that has at least one character selected (highlighted).

The Indents will be added to all lines stated above, irrespective to any indentations that may already exist.

To remove indentations, use the Remove Indents menu item on the Format Menu.

## ***Remove Indents***

The Remove Indents menu item presents a dialog that allows the user to specify the number of spaces or tabs to remove from the beginning of each of the selected (highlighted) lines. If the checkbox specifying removal of all indents is checked, UltraEdit will remove ALL indentation at the beginning of the selected lines. UltraEdit starts removing the indents beginning with the first highlighted line and ending with the last line that has at least one character selected (highlighted).

If no indentation is found at the beginning of a selected line, no changes are made to that line.

To add indentations, use the Add Indents menu item on the Format Menu.

## ***Insert Page Break***

The Insert Page Break menu item inserts a page break character at the current cursor position. The page break character can be configured in the Page Setup dialog.

When the document is printed, the page break character is replaced with a page break. Printing continues on the next page following a page break character.

## ***CSE HTML Validator***

CSE HTML Validator (Validator) is an excellent utility that validates HTML, XML and other files. Through these menu items UltraEdit provides integration of the Validator such that it may be run directly from UltraEdit and its output will be captured and shown on the Output Window.

To make use of this feature, the Validator must be installed on your system. All support and information regarding the use of the Validator must be directly from the developers of CSE HTML Validator.

For further details, see:

<http://www.htmlvalidator.com/>

UltraEdit provides menu items to set up the configuration, options, and Job Types for the Validator but does not determine how these are used by the Validator.

## ***HTML Tidy***

HTML Tidy is an excellent utility that formats, checks and tidies up HTML code. This was developed by Dave Raggett and has been integrated into UltraEdit-32.

More information on HTML Tidy may be found at: <http://www.w3.org/People/Raggett/tidy>

When this is invoked, the active document will be saved and HTML Tidy will parse the file. The output window will be used to display any errors or warnings that are found. Double clicking on line with the error or warning in the output window will position the cursor to the appropriate line in the file.

When HTML tidy runs it will generate a "tidy" version of the file and UltraEdit will display this in a new file/window titled "\*\*\* HTML Tidy Output \*\*\*". This will be overwritten each time HTML Tidy is used.

HTML Tidy provides many, many configuration options. These may be set in a configuration file. These are documented on the HTML Tidy WWW page listed above. In order to use a configuration file you need to set the appropriate INI option specifying the location of the configuration file. See the INI Section for details.

## ***Reindent File***

This command allows the user to reformat the selected text within the active file. Programmers typically use this to reformat existing text according to the indentation settings in configuration and the automatic indent settings for Syntax Highlighting (see the indentation section under Syntax Highlighting for details).

When the reindenting is performed, UltraEdit will reindent the file line by line, starting with the indentation of the first selected line.

If the indentation of the first selected line is less than the indent setting, or falls between multiples of the indent setting then the indentation will be rounded down to match the value or multiple of the indent setting. (If the indent value is 4, and the first selected line is indented to 2 then the line will be assumed not to be indented as it will be rounded down to 0. If the line was indented to 6 then the line will be adjusted to be indented to 4 as it falls between the indent values of 4 and 8).

UltraEdit does try and determine if the statement causing a change in the indentation is commented out, or part of a string and ignores it in this case. However, if the file contains preprocessor conditional statements (#ifdef, #ifndef etc.) UltraEdit does not attempt to determine which text is valid and which is not. This may cause lines to be adjusted incorrectly.

To avoid problems with conditional statements it is suggested that all conditional sections include the same number of open and close conditional statements. If an "if (test) {" statement is in the conditional text, make sure the closing brace ("}") is also in the conditional text and there should not be a problem.

In some cases it may be desirable not to indent lines such as compiler directives or comments. UltraEdit provides for this capability by allowing strings to be ignored to be defined in the wordfile.txt file. This is covered under the Syntax Highlighting section.



## Chapter 9 Column/Block Editing Features

This section describes the column (or block) mode features available within UltraEdit. This section will provide detailed explanations of the features and provide some insight as to how and when these are useful.

The following topics will be covered:

Column Menu Commands

What is Column/Block Editing?

Column Mode

Column Editing:

Insert/Fill Columns

Delete Columns

Cut Columns

Insert Number

Sequential number insertion

Sum Columns

### **Column Menu Commands**

The Column menu offers the following commands:

|                                |  |
|--------------------------------|--|
| Column Mode                    | selects column/block mode editing                                  |
| Insert/Fill Columns            | specifies the text to insert into each column                      |
| Delete Columns                 | specifies how many/which columns to delete                         |
| Cut Columns                    | specifies how many/which columns to cut                            |
| Insert Number                  | specifies number range to insert into each row                     |
| Sum Columns/Selection          | sums the total of all the numbers that appear in the selected area |
| Convert to Fixed Column        | converts character delimited file to fixed columns                 |
| Convert to Character Delimited | converts to character delimited file from fixed columns            |
| Left Justify                   | left justify column  |
| Center Justify                 | center justify column  |
| Right Justify                  | right justify column   |

### **What is Column/Block Editing?**

With normal editing, text selection selects all text within a given line. Column or block editing allows the user to choose selected columns from a given line for editing without affecting the other columns in the line. This allows a user to remove a column of accounting figures or preformatted characters at the beginning of lines as well as giving the user the ability to insert spaces, tabs or characters ahead of a block of text without changing the justification of the text. This can be very useful for editing database information as databases often require beginning characters to be in specific positions and improper editing can cause a database not to be able to find the edited data.

Column/Block editing can be activated/deactivated by selecting Column Mode from the Column menu or by using the appropriate shortcut keys.

Column/block editing is only possible with fixed pitch fonts and if Word Wrap is not activated. If Word Wrap is activated, UltraEdit will inform the user that it is aborting Column mode activation.

## **Column Mode**

This command changes the operation of the editor for selecting text. When column mode is selected highlighted text is based on the character column position of the first character selected to the column of the last character of text selected. Text selected in this mode does not automatically include all text between the start and end position, but includes all text in the columns between the first and last character selected.

Column mode editing is sometimes referred to as block mode editing as the act of selecting text forms a rectangle. It is very useful for editing text that has been copied from another application with extra formatting characters that need to be removed without impacting the text.

Cut, Copy and Paste work with the selected text.

Column mode editing requires the Word Wrap be turned off and a fixed pitch font be selected.

When column mode is enabled, additional column features are enabled; Insert/Fill Columns, Delete Columns, Cut Columns and Insert Number.

Shortcut Keys: ALT+C

## **Insert/Fill Columns**

This command presents a dialog that allows a text string to be entered. This text will be inserted into every line that is selected, or if no selection is made it will be inserted into every row starting at the current cursor position and proceeding to the last row of the file. The text string will be inserted into every row at the column position indicated by the cursor when this command is invoked. If text does not exist at this column in any row, spaces ' ' will be added to pad the row allowing the text to be inserted correctly.

If at the invocation of this command, text is highlighted, the columns indicated by the highlighted text will be replaced with the specified text.

Options allow for the format to be either Decimal, or Hexadecimal. In either case the text is inserted with or without leading zeros according to the setting.

## **Delete Columns**

This command presents a dialog that allows the number of columns to be deleted to be specified. The columns will be deleted from every line that is selected, or if no selection is made they will be deleted from the file from every row starting at the current cursor position and proceeding to the last row of the file. If a value of zero '0' is entered, columns will be deleted based on the highlighted text when this command is invoked. This command does not save the deleted text in the clipboard.

## **Cut Columns command**

Use this command to remove the currently selected data from the document and put it on the clipboard. This command is unavailable if there is no data currently selected.

Cutting data to the clipboard replaces the contents previously stored there.

Shortcut Keys: CTRL+X

### ***Insert Number***

This command allows a sequential number to be inserted into every line selected, or if no lines are selected, into every line at the column position indicated by the cursor. This command presents a dialog that allows the initial value to be entered and the increment for each line. This provides an easy method to add line numbers into a text file.

If any text is highlighted at the invocation of this command, the inserted line numbers will replace the highlighted text. The spacing required for the line numbers is calculated automatically based on the number of lines that will have a number inserted, the initial value and the increment. All numbers may be positive or negative non decimal point numbers.

If the option to add "Leading Zeros" is selected the appropriate leading zeros will be added to each number to pad the field to the same width (in characters) as the maximum number to be inserted. If this option is not selected, trailing spaces will be used.

### ***Sum Columns/Selection***

This command sums the total of all the numbers that appear in the selected area (columns or lines) and presents the total in a dialog box.

As some number formats have a comma, or other character that is part of the number or a separator (i.e. one thousand may be represented as 1,000) this may be configured. The dialog allows the user to specify any character that should be ignored in a number and by default is initialized to a comma (.).

The SUM button recalculates the total. It allows the separator to be modified and the total recalculated.

The TOTAL is shown in an editable entry box allowing the total to be formatted and copied to the clipboard and pasted into the document if required.

### ***Convert to Fixed Column***

This function allows the user convert a file from character-delimited fields to fixed columns. This is particularly useful where column manipulation is required, but difficult with the different field widths for each row. This complements the Convert to Character Delimited feature.

This function presents the user with a dialog box with the following controls:

### ***Scan***

This causes the editor to scan the file (or first line) and determine the maximum field widths for each field. This will determine the maximum width required for each field and place the results (comma separated) in the Field Widths entry box.

### ***Scan First Line Only***

This instructs the editor to search just the first line for the field widths.

### ***Keep Delimiter with Fixed Columns***

This indicates that when converting to fixed width columns the delimiter character for the fields should not be removed. If this is not checked, the conversion will remove the delimiter between fields.

## **Separator Character**

This specifies the delimiter character between fields. If this is a TAB character "t" should be entered. In all other cases, a single character should be entered. The editor uses this character to determine the field boundaries.

## **Field Widths**

This is a list of comma separated field widths used for the conversion. If there are more fields than entries, the last entry will be used as the field width for the remaining fields. This allows the user to set as single entry if all fields are required to be the same width.

## **Convert**

This performs the conversion from character-delimited text to fixed column according to the settings above. The complete file will be converted.

## ***Convert to Character Delimited***

This function allows the user convert a file from fixed field widths to character delimited fields. This complements the Convert to Fixed Column feature.

This function presents the user with a dialog box with the following controls:

## **Separator Character**

This specifies the delimiter character between fields. If this is a TAB character "t" should be entered.

In all other cases, a single character should be entered. The editor uses this character to separate the fields when converting from fixed widths to character delimited.

## **Field Widths**

This is a list of comma separated field widths used for the conversion. If there are more fields than entries, the last entry will be used as the field width for the remaining fields. This allows the user to set as single entry if all fields are required to be the same width.

## **Convert**

This performs the conversion from fixed column to character delimited text according to the settings above. The complete file will be converted.

## ***Left Justify***

This command left justifies the text inside the selected columns. Any tabs within the selected range will be converted to the appropriate number of spaces to give the same alignment before the justification takes place. This is necessary as the tab expansion and alignment of text would potentially change after the text is justified.

This function only works when in Column Mode.

### ***Center Justify***

This command center justifies the text inside the selected columns. Any tabs within the selected range will be converted to the appropriate number of spaces to give the same alignment before the justification takes place. This is necessary as the tab expansion and alignment of text would potentially change after the text is justified.

This function only works when in Column Mode.

### ***Right Justify***

This command right justifies the text inside the selected columns. Any tabs within the selected range will be converted to the appropriate number of spaces to give the same alignment before the justification takes place. This is necessary as the tab expansion and alignment of text would potentially change after the text is justified.

This function only works when in Column Mode.

## Chapter 10 Macro Features

This section describes the macro features available within UltraEdit. This allows the automation of many tasks using the macro features.

The following topics will be covered:

Macro Menu Commands

Loading Macros:

- Set Auto Load

- Macro Load appending file to existing macros

Saving/Deleting Macros:

- How to save a macro

- How to delete a macro

Creating/Editing Macros:

- Macro Command Options

- Configuring Macro Hot Keys

- Editing macros from the command line

- Templates and Macros - Which To Use?

Recording/Playing Macros:

- Recording a Macro

- Recording Nested Macros

- Playing back a Macro

Macro Features:

- Warn on Exit if Macro not Saved

### ***Macro Menu Commands***

|                                 |   |
|---------------------------------|---|
| Load                            | loads a macro file  |
| Load and Append to Existing     | loads and appends a macro file to any macros already resident |
| Save All                        | saves all macros to a file                                    |
| Set Auto Load                   | specifies the macro to load at startup                        |
| Edit Macro                      | edits a macro   |
| Set Macro for File Load/Save    | specify the macro to run when a file is loaded/saved          |
| Delete All                      | deletes all resident macros                                   |
| Delete Macro/Modify Hot Key     | deletes a macro, or modify its 'Hot' key                      |
| Record                          | starts 'recording' a macro                                    |
| Quick Record                    | records a macro without showing dialog for name etc           |
| Stop Recording                  | stops recording a macro                                       |
| Play Again                      | plays last macro again  |
| Play Any Multiple Times         | plays any macro, or plays a macro multiple times              |
| Warn on Exit if Macro Not Saved | warns user macros are not saved when exiting                  |

## ***Load***

The Load command presents a dialog box for loading a previously saved set of macros from a disk file. The dialog box allows selection of a file from any file device known to the system. The default file name presented is UltraEdit.MAC, although any filename is acceptable.

When a file is selected for loading, a check is made to ensure the file is an UltraEdit macro file.

"^s" may be used in the filename. UltraEdit will replace this with the currently selected text in the active Window. Likewise, "^c" may be used and UltraEdit will replace this with the contents of the clipboard.

## ***Load and Append to Existing***

This function allows a macro file to be loaded appending the file to the macros already resident unlike the Load command that deletes all resident macros before loading the file.

A dialog box is presented for loading a previously saved set of macros from a disk file. The dialog box allows selection of a file from any file device known to the system. The default file name presented is UltraEdit.MAC, although any filename is acceptable.

When a file is selected for loading, a check is made to ensure the file is an UltraEdit macro file.

## ***Save All***

The Save All command presents a dialog box for saving the macros that have been recorded using the Record command to a disk file. The dialog box allows selection of a file from any file device known to the system. The default file name presented is UltraEdit.MAC, although any filename is acceptable.

This command is available only if a macro has been recorded, or loaded.

## ***Set Auto Load***

The Set Auto Load command allows you to specify a macro file that should be loaded automatically when UltraEdit is started.

This also allows a specific macro to be executed a specified number of times if required. A macro file may be loaded automatically without executing a macro.

This method of loading a macro at startup overrides the Command Line parameters for loading a macro. If no macro is specified to be loaded here, the command line parameter setting if specified will be used.

## ***Edit Macro***

The Edit Macro command allows a new macro to be created and edited or an existing macro that has previously been generated with this command or with the Macro Record command to be edited or renamed.

In many cases it is easier for the user to generate the macro by recording it with the Macro Record command and then to edit it if necessary. The learning curve is less with this approach.

## Commands

A macro is a series of commands that may later be played back automatically to modify the file. The left-hand side of the dialog shows the current macro being edited and an editable window containing the commands that make up the macro.

The commands in the macro must be one of the predefined commands. These predefined commands are shown on the right of the dialog. If the mouse is double clicked on the command it is automatically added to the macro, or clicking on the arrow to the left of the commands will add it to the macro.

## Parameters

Many of the commands have numeric parameters. The numeric parameters are quite obvious, such as "Goto Line #" or "Goto Page #". However, some of the commands such as Find and Replace, Sort, etc have additional parameters that are not numeric. These additional parameters are listed below the command list for easy selection.

## Creating a New Macro

Click the New/Macro button to create a new macro from this dialog. This displays the Macro Definition dialog where you define the macro name and Hot Key if required.

When this new macro is created, three macro commands are automatically added to the macro:

Insert Mode or OverStrike Mode  
ColumnModeOn or ColumnMode Off  
HexOn or HexOff

These three commands are added based on the current state of the editor. The purpose is to establish a known state each time the macro is played. If a macro is recorded in one mode and played back in another the results may be unpredictable. Establishing the mode at the beginning of the macro helps to ensure the expected results are achieved. These commands may be modified as required.

Once an edit macro has been created, it may be edited. Please see Appendix 4 Macro Parameters for more detail.

## Modifying an Existing Macro

To modify a macro, commands may be typed directly into the macro edit box or selected from the command list. Commands are not case sensitive but must be spelled exactly as shown in the command list. For a complete list of available commands and parameters please see Appendix 4 - Macro Parameters.

## ***Set Macro for File Load/Save***

This command allows the user to specify a macro to be executed each time a file is loaded or saved.

The dialog box shown provides the following options:

## Macro Filename

This specifies the full path and name of the macro file containing the macro(s) to be run when a file is loaded or saved. If macros are to be run when a file is loaded and saved, they must be in the same file.



## **Macro Name to Execute on Load**

This specifies the name of the macro to run when a file is loaded. The macro, if specified, is run AFTER a file is loaded. It is run for each file loaded.

## **# of Times**

This specifies the number of times for each file to execute the macro specified for file load.

## **Macro Name to Execute on Save**

This specifies the name of the macro to run when a file is saved. The macro, if specified, is run BEFORE the file is saved. It is run for each file saved.

## **# of Times**

This specifies the number of times for each file to execute the macro specified for file save.

**Note – If the user only wants to run these macros for certain types of files the user can test in the macro for the file name or extension and take appropriate action in the macro.**

## ***Macro Definition Dialog***

The macro definition dialog is shown when a new macro is created either from the Macro Record command or from the Edit Macro command.

It allows a name to be given to the macro and a hot key assignment to be given to the macro. The macro recording starts after pressing OK if invoked from the Record command.

The hot key assignment allows the user to specify a key combination that will automatically invoke the macro. If a key assignment is chosen that is already used by UltraEdit the key assignment will override UltraEdit's assignment.

Pressing any key combination with the focus in the Hot Key field will assign the key to the macro. The hot key may be cleared using the "Clear Hot Key" button.

It is not required that a name be entered, or a hot key assignment be made.

Default behavior shows a Cancel Dialog while the macro is executing. For macros that execute quickly this may not be desired and may be disabled by deselecting the "Show Cancel Dialog for this macro" setting.

During Playback a find and replace command may result in the search string not being found. The default behavior in this case is to stop the macro execution. For some macros, possibly where a replace all is being performed, it is desirable not to stop the macro playback. In this case, select the "Continue if a Find with Replace Not Found".

## ***Delete All***

This command deletes all the resident macros. If any of the macros have been created or modified since the file was saved the user is prompted allowing the macros to be saved prior to deleting them.

## **Delete Macro/Modify Hot Key**

This command allows the user to delete a macro, or modify the hot key associated with any macro. A dialog box is presented that shows all of the macros and allows any macro to be selected and its hot key modified (or the macro may be deleted). No support is provided to modify the contents of a macro. For more details on the hot key assignments see Macro Recording.

## **Templates and Macros - Which One Do I Use?**

### **Templates**

A template is a pre-defined text that may be recalled automatically at a later time and inserted into a file. They generally are used to store text that is consistently used for repeated functions. They are very useful for inserting text into a document in a formatted manner - such as in forms. Their use of special characters such as date strings allows flexibility in otherwise fixed text sections.

### **Macros**

A macro is a series of commands that may later be played back automatically to modify the file. Macros allow users to store complex combinations of commands that are consistently used on like files for repeated processes.

An advantage of macros over templates is that they allow find and replace functions to be executed within a process rather than simply inserting text. Defining macros is more complex than defining templates but allows much more powerful use of the abilities of the editor than templates alone.

### **Record**

The Record command starts 'recording' keystrokes and actions for later playback. Recording is stopped when the Stop Recording menu selection is made.

This command presents the Macro Definition Dialog allowing you to define the macro name and Hot Key if required. When the dialog is dismissed with the OK button the macro recording starts.

### **Notes for Recording Macros**

The Record function records all keystrokes and characters typed while recording is selected. All keystrokes are recorded, including key combinations that move to end of line, top or bottom of document etc. Care should be taken to ensure that when the macro is to be played back the same keystrokes are appropriate.

Mouse motion and scrolling is NOT recorded while recording is selected. All positioning should be performed with the keyboard.

Macros will record and playback the Next Window and Previous Window commands.

Find and Replace is supported while recording is selected. Any find or replace functions will be recorded directly as performed, unless using special characters that are replaced when executing with the contents of the clipboard or the highlighted text.<sup>†</sup> If all or any occurrences of "FIND" are replaced with "REPLACE" in a file, the same action will be performed when the macro is played back.

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<sup>†</sup> For more information on this and for special characters useful with macros please see the Find command.

Cut, Copy and Paste are also supported while macro recording is selected. Any of these operations will be performed dynamically as the macro is played back. That is to say that if an item is cut while recording the macro, an item will be cut while playing back the macro based on the selected text at the time the macro is being played back. If the selected text is different while playing back the macro, from when the macro is recorded, the text cut while playing back the macro will also be different.

As multiple macros are now supported, this command is available when macros already exist.

HEX editing is now supported within macros.

The following commands are supported when recording a macro:

- Keyboard entry - typing characters
- Cursor positioning
- Selecting text with keyboard commands
- Cut, copy, paste
- Find/replace
- HEX mode switching and editing
- File open, close, save
- Bookmarks
- Playing macros - nesting macros
- Window switching - next/previous window
- Insert/Overstrike selection
- Unix/Mac to DOS
- DOS to Unix
- DOS to MAC
- Convert Wrap to CR/LFs
- Convert CR/LFs to Wrap

### ***Stop Recording***

The Stop Recording command stops capturing keystrokes and actions that started when the Record function was selected. Once a macro has been recorded and the session has been stopped with this command, the macro may be played back by selecting the Play Again or Play Any/Multiple Times command.

After a macro has been recorded, it may be saved using the Save All command.

### ***Quick Record***

The Macro Quick Record command starts 'recording' keystrokes and actions for later playback. When this is active the menu changes to "Stop Quick Recording". Clicking on this, or using the shortcut for Macro Quick Record will stop recording the macro.

The command works in an identical manner to the Macro Record command with the exception that it does not prompt for a name, shortcut key, etc.

When this is played back, no cancel dialog will be shown. In the macro list, this will be shown with a blank name and when recorded will overwrite any existing quick macro, or macro recorded with a blank name.

The purpose of this command is to provide the same ability as recording a macro but with a single keystroke to record and stop recording.

The macro is played back with the by selecting the Macro Play Again or Macro Play Any/Multiple Times command as with normal macros.

### ***Playback***

The Playback command allows a macro that has been recorded with the Macro Record command to be replayed. The macro is replayed one time for each invocation of the command. To replay the macro multiple times, use the Playback Multiple Times command.

This command is not available if a macro record has not been recorded or loaded.

### ***Playback Multiple Times***

The Playback Multiple Times command allows a macro that has been recorded with the Macro Record command to be replayed multiple times. A dialog box is presented that prompts the user for a number between 1 and 100000 that specifies the number of times the macro should be replayed. To replay the macro a single time, use the Playback command.

This command is not available if a macro record has not been recorded or loaded.

### ***Warn on Exit if Macro Not Saved***

This indicates and determines if a warning will be issued when UltraEdit closes, or a new macro file is loaded and the existing macros have been modified but not saved.

If this is not checked, no warning will be given.

## Chapter 11 Advanced Features

This section describes the Advanced options and features available within UltraEdit. The configuration area allows UltraEdit to be configured to best suit the needs of the user.

The following topics will be covered:

Advanced Menu Commands

Configuration and option settings: (Please see Configuration section)

Set Code Page/Locale

Display/Modify Templates:

What is a Template and when would I use it?

Creating/Editing a Template

Using Time/Date in a Template

Naming a Template

Deleting a Template

Inserting a Template

DOS Commands:

Using DOS Commands in UltraEdit

Passing filenames

When to use the Alternate Capture Method

Running Windows Programs in UltraEdit

Tool Configuration:

Creating/Editing User Tools

Deleting User Tools

### ***Advanced Menu Commands***

The Advanced menu provides access to some of the advanced capabilities of UltraEdit. These include:

Configuration: a tabbed dialog with access to the following pages:

General

Tab/Word Wrap

Backup

Spelling Checker

Toolbar

Key Mapping

Syntax Highlighting

File Types

File Associations

Set Code Page/Locale

set code page or locale

Display/Modify Templates

display or modify the user definable templates

Insert Template

insert a user-defined template into the file

DOS Command

run a DOS command and capture its output

Last DOS Command

repeat the last DOS command

Run Windows Program

run a Windows program

Alternate Capture Method

alternate capture method for capturing output

### ***Set Code Page/Locale***

This allows the user to specify the code page and the locale to be used by certain functions within the editor.

The initial selection shows the current settings. In all previous versions the "C' Default" locale and code pages were used. These are the default values unless the user specifies something different.

If "C' Default" is selected, this will apply to both the code page and locale.

If "System Default" is selected, the dialog box will show the actual system default if the dialog is invoked again.

The code page selection is used for conversion to/from Unicode. The locale selection is used specifically if selected with the Sort Function.

### ***Display/Modify Templates command***

Use this command to display the dialog for editing the templates. A template is a pre-defined text that may be recalled automatically at a later time and inserted into a file.

Up to 50 templates may be defined. Each of the first 20 templates may be recalled at a later time using hot keys Alt+0 through Alt+9, and Shift+Alt+0 through Shift+Alt+9, or any of the templates may be recalled with the Insert Template dialog.

Each template may optionally have a name associated with it that if defined will show up on the tool tips on the toolbar and in list of templates when inserting a template. The templates are stored in a file in the default directory, or the directory specified in the General Options configuration page.

### ***Special Strings***

A template may contain special text strings that are translated at the time the template is recalled. These special strings are:

|                  |  |
|------------------|--|
| [DATE_DMY]       | is translated into the current date with the format DAY/MONTH/YEAR.                            |
| [DATE_MDY]       | is translated into the current date with the format MONTH/DAY/YEAR.                            |
| [DATE_TEXT]      | is translated into the current date with the date displayed as text.                           |
| [TIME]           | is translated into the current time IN 24-HOUR FORMAT.   |
| ^                | this indicates the position at which to place the cursor after the template has been inserted. |
| [FULL_FILE_NAME] | Is translated into the full path and filename of the active document.                          |
| [FILE_PATH]      | Is translated into the drive and path of the active document.                                  |
| [FILE_NAME]      | Is translated into the root filename of the active document.                                   |
| [FILE_EXTENSION] | Is translated into the file extension of the active document.                                  |

Note - ^ refers to the character '^' NOT Control Key + value.

Additionally, for extended date and time formatting, UltraEdit supports the following enhanced functionality:

## Time

To specify the USER TIME format use the following syntax in your template:

For local time use the following markers:

[TIME\_USER]...time format string here...[TIME\_USER\_END]

For system time use the following markers:

[TIME\_USER\_SYS]...time format string here...[TIME\_USER\_SYS\_END]

The time format string is defined as follows:

If you use spaces to separate the elements in the format string, these spaces will appear in the same location in the template. The letters must be in uppercase or lowercase as shown (for example, "ss", not "SS"). Characters in the format string that are enclosed in single quotation marks will appear in the same location and unchanged in the template.

### String Meaning

|    |  |
|----|--|
| h  | Hours with no leading zero for single-digit hours; 12-hour clock |
| hh | Hours with leading zero for single-digit hours; 12-hour clock    |
| H  | Hours with no leading zero for single-digit hours; 24-hour clock |
| HH | Hours with leading zero for single-digit hours; 24-hour clock    |
| m  | Minutes with no leading zero for single-digit minutes            |
| mm | Minutes with leading zero for single-digit minutes               |
| s  | Seconds with no leading zero for single-digit seconds            |
| ss | Seconds with leading zero for single-digit seconds               |
| t  | One character time marker string, such as A or P                 |
| tt | Multicharacter time marker string, such as AM or PM              |

For example, to get the time string

"11:29:40 PM"

use the following format string:

"hh':'mm':'ss tt"

This string **MUST** be between the markers, for example:

[TIME\_USER]hh':'mm':'ss tt[TIME\_USER\_END]

## Date

To specify the USER TIME format use the following syntax in your template:

For local date use the following markers:

[DATE\_USER]...date format string here...[DATE\_USER\_END]

For system date use the following markers:

[DATE\_USER\_SYS]...date format string here...[DATE\_USER\_SYS\_END]

The date format string is defined as follows:

Use the following elements to construct a format string. If you use spaces to separate the elements in the format string, these spaces will appear in the same location in the template. The letters must be in uppercase or lowercase as shown in the table (for example, “MM” not “mm”). Characters in the format string that are enclosed in single quotation marks will appear in the same location and unchanged in the template.

#### String Meaning

|      |   |
|------|---|
| d    | Day of month as digits with no leading zero for single-digit days.        |
| dd   | Day of month as digits with leading zero for single-digit days.           |
| ddd  | Day of week as a three-letter abbreviation.                               |
| dddd | Day of week as its full name.   |
| M    | Month as digits with no leading zero for single-digit months.             |
| MM   | Month as digits with leading zero for single-digit months.                |
| MMM  | Month as a three-letter abbreviation.                                     |
| MMMM | Month as its full name.   |
| y    | Year as last two digits, but with no leading zero for years less than 10. |
| yy   | Year as last two digits, but with leading zero for years less than 10.    |
| yyyy | Year represented by full four digits.                                     |

For example, to get the date string

“Wed, Aug 31 94”

use the following picture string:

“ddd’,’ MMM dd yy”

This string MUST be between the markers, for example:

[DATE\_USER]ddd’,’ MMM dd yy[DATE\_USER\_END]

### ***Insert Templates command***

Use this command to insert a template. It presents a dialog, allowing you to select the template you wish to insert from the list of templates.

Optionally, the hot keys Alt+0 through Alt+9 and Shift+Alt+0 through Shift+Alt+9 may be used instead of this menu command.

### ***DOS Command***

This command allows a DOS command to be run from within UltraEdit and the results of the command are captured and automatically displayed by UltraEdit at the completion of the command. A dialog box is presented that allows the command to be specified (with a browse button) and the working directory<sup>†</sup> to be specified.

The command line specified should be the full path of the file to be executed unless it is a system command (such as DIR), or it is in the Windows directory, or the Windows System directory.

The working directory should be the full path of the working directory, or left blank if not required.

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<sup>†</sup> The working directory is only supported in the 32-bit version of UltraEdit.



In order to allow maximum flexibility of programs to be run a special command line sequence is permitted that will cause the active file name to be inserted into the command line and passed to the program to be executed. For example:

You set up a command to run a compiler and you want to invoke the compiler with the file you are currently editing. If you change files you want the compiler to be invoked with the new file. The compiler is c:\comp\compiler.

Specify the following command in the dialog box:

c:\comp\compiler %F

When the command is executed, the full directory path, filename and extension of the active window will replace the % F. The file will be saved before the command is executed.

The following commands may be used to pass a portion of the full-qualified filename:

%P Path only ("C:\project\test\")

%N fileName only ("test")

%E Extension only (".c")

%P%N%E is equal to %F which is ("C:\project\test\test.c") in the example above.

NOTE - If the %f, %p, %n, %e are lower case the file names are passed as long file names and should be put in quotes, i.e. "%f" or "%p%n" etc. If the %F, %P, %N, %E are in upper case the filename and path will be converted and passed as the "8.3" short filename specification for maximum compatibility with DOS programs.

Additionally the following commands are available:

%R This may be used for the full path/name of the project (%r for long name, %R for short name)

%RP This may be used for the full project path (%rp for long name, %RP for short name)

%RN This may be used for the project name only (%rn for long name, %RN for short name)

%modify% In some cases it may be necessary to modify the command line parameters each time the tool is run. To do this, add %modify% in the command line and when the tool is run a dialog box will be shown allowing the user to modify the command line or cancel and run without modification.

%sel% This instructs UltraEdit to add the highlighted/selected text from the active document into the command line in place of the %sel%.

%Env: This allows the user to use an environment variable in the command. The environment variable immediately follows the %Env: and UltraEdit replaces this with the contents of the matching environment variable.

%line% This instructs UltraEdit to add the line number of the cursor into the command line in place of the %line% - 1 is the first line.

%col% This instructs UltraEdit to add the column number of the cursor into the command line in place of the %col% - 1 is the first column.

The output from the command will be captured and displayed in a window when the command has completed.

As the output from a DOS program is sometimes buffered by the operating system, this process may not work correctly with a program that requires interaction while it is executing. The prompts may not appear on the screen at the correct time and the user may wonder why there is no activity.

As the output will always be captured, if the program generates no console screen output the captured output may be empty and UltraEdit will show an empty window.

Note - If capturing the output does not work correctly, or the command does not function correctly you may try the Alternate Capture Method command from the Advanced Menu<sup>†</sup>.

The Last DOS Command repeats the last command specified with the DOS command dialog without presenting the dialog box.

## **Run Windows Program**

This command allows a Windows program to be executed from within UltraEdit. The output is not captured. A dialog box is presented that allows the command to be specified (with a browse button) and the working directory to be specified<sup>‡</sup>.

The command line specified should be the full path of the file to be executed, unless it is in the Windows directory, or the Windows System directory.

The working directory should be the full path of the working directory, or left blank if not required.

In order to allow maximum flexibility of programs to be run a special command line sequence is permitted that will cause the active file name to be inserted into the command line and passed to the program to be executed. For example:

You set up a command to run a compiler and you want to invoke the compiler with the file you are currently editing. If you change files you want the compiler to be invoked with the new file. The compiler is c:\comp\compiler.

Specify the following command in the dialog box:

c:\comp\compiler %F

When the command is executed, the %F will be replaced by the filename of the active window, The file will be saved before the command is executed.

The following commands may be used to pass a portion of the fully qualified filename:

%P        Path only ("C:\project\test\")

%N        Filename only ("test")

%E        Extension only (".c")

%P%N%E is equal to %F which is ("C:\project\test\test.c") in the example above.

NOTE - If the %f, %p, %n, %e are lower case the file names are passed as long file names and should be put in quotes, i.e. "%f" or "%p%n" etc. If the %F, %P, %N, %E are in upper case the filename and path will converted and passed as the "8.3" short filename specification for maximum compatibility with DOS programs.

Additionally the following commands are available:

%R        This may be used for the full path/name of the project (%r for long name, %R for short name)

%RP       This may be used for the full project path (%rp for long name, %RP for short name)

%RN       This may be used for the project name only (%rn for long name, %RN for short name)

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<sup>†</sup> This feature is only available in the 32-bit version of UltraEdit.

<sup>‡</sup> The working directory is only available in the 32-bit version of UltraEdit.

- %modify%** In some cases it may be necessary to modify the command line parameters each time the tool is run. To do this, add %modify% in the command line and when the tool is run a dialog box will be shown allowing the user to modify the command line or cancel and run without modification.
- %sel%** This instructs UltraEdit to add the highlighted/selected text from the active document into the command line in place of the %sel%.
- %Env:** This allows the user to use an environment variable in the command. The environment variable immediately follows the %Env: and UltraEdit replaces this with the contents of the matching environment variable.
- %line%** This instructs UltraEdit to add the line number of the cursor into the command line in place of the %line% - 1 is the first line.
- %col%** This instructs UltraEdit to add the column number of the cursor into the command line in place of the %col% - 1 is the first column.

To run a DOS program, use the DOS Command.

### ***Alternate Capture Method***

This command changes the method used to capture the output from a DOS or Console application run from within UltraEdit. Under Windows 95 some applications do not run correctly, or do not capture output correctly using the standard method.

The primary difference is that this alternate method does not show the output of the command on the DOS Window as it is executing.

This method does however resolve issues seen by some users.

### ***Tools Configuration/Use***

UltraEdit allows the user to configure up to ten menu items to commands of the users choice. Additionally up to ten additional tools may be configured for the active project by selecting the "Project **Tool Configuration**" menu item.

These commands may be any DOS or Windows commands, and appear in the lower **portion of the Advanced menu** when set up.

When the Tool Configuration menu item is selected, a dialog box is presented allowing the user to specify the command line and action for each of the users choices. The following information is presented:

### **Command Line**

This is the actual command line that will be invoked it may contain a '%F' that will be replaced by the full directory specification and filename of the active file. The file will be saved **first if changes have been made**

You set up a command to run a compiler and you want to invoke the compiler with the file you are currently editing. If you change files you want the compiler to be invoked with the new file. **The compiler is c:\comp\compiler**

Specify the following command in the dialog box:

c:\comp\compiler %F

When the command is executed, the %F will be replaced by the full directory path, filename and extension of the active window. The file will be saved before the command is executed.

The following commands may be used to pass a portion of the fully qualified filename:

%P Path only ("C:\project\test\")

%N Filename only ("test")

%E Extension only (".c")

%P%N%E is equal to %F which is ("C:\project\test\test.c") in the example above.

NOTE - If the %f, %p, %n, %e are lower case the filenames are passed as long filenames and should be put in quotes, i.e. "%f" or "%p%n" etc. If the %F, %P, %N, %E are in upper case the filename and path will be converted and passed as the "8.3" short filename specification for maximum compatibility with DOS programs.

Additionally the following commands are available:

%R This may be used for the full path/name of the project (%r for long name, %R for short name)

%RP This may be used for the full project path (%rp for long name, %RP for short name)

%RN This may be used for the project name only (%rn for long name, %RN for short name)

%modify% In some cases it may be necessary to modify the command line parameters each time the tool is run. To do this, add %modify% in the command line and when the tool is run a dialog box will be shown allowing the user to modify the command line or cancel and run without modification.

%sel% This instructs UltraEdit to add the highlighted/selected text from the active document into the command line in place of the %sel%.

%Env: This allows the user to use an environment variable in the command. The environment variable immediately follows the %Env: and UltraEdit replaces this with the contents of the matching environment variable.

%line% This instructs UltraEdit to add the line number of the cursor into the command line in place of the %line% - 1 is the first line.

%col% This instructs UltraEdit to add the column number of the cursor into the command line in place of the %col% - 1 is the first column.

## Working Directory

This is the working directory for the specified command. If applicable, the process will be started with this as its working directory. As above, the %P may be used to specify the path<sup>†</sup>.

## Menu Item Name

This is the name of the item as it appears on the Advanced menu.

## Windows Program Checkbox

This must be checked if the program being invoked in the command line is a Windows application.

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<sup>†</sup> This feature is only available in the 32-bit version of UltraEdit.

## Save all files first

If this is checked UltraEdit will save all open files before running the tool.

## Save Active File

If this is checked UltraEdit will save the active file before running the tool, otherwise it will not (unless Save all files first is checked).

## Command Output (DOS Commands ONLY)

DOS command output may be optionally captured to a file. The four options for DOS command output are:

- 1) append to existing file (create new file if one does not exist)
- 2) Replace existing file
- 3) Create new file each time the command is run; and
- 4) Capture the output to a list box (Output Window).

This list box allows the user to double click on a line of the captured output and UltraEdit attempts to open the referenced file and position to the specified line if found.

If the **Show DOS Box** checkbox is checked, a DOS window will be shown as the command is being executed, otherwise the DOS window will be hidden.

As several commands may be configured, it is quite possible the user may wish for some commands to always create a new file, while other commands should replace the existing file (or append to it). For this reason, each capture mode (append, replace, new) will create a new file for that mode if one does not exist. Each time a command is run, the file for the given capture mode will be appended to or replaced if appropriate, or a new file created if selected.

## Command List Box

The command list box shows the configured commands. By double clicking on a command in this list, the configuration items are pre-loaded with the parameters of this command and may be modified. To keep the changes, the user **MUST** select REPLACE to overwrite the existing command, or INSERT to generate a new command.

If you click on an item, you may delete it by selecting the DELETE button.

## Requirements

DOS commands require that certain files exist depending on the operating system:

Windows 95 requires the COMMAND.COM file be on the Windows directory.

Windows NT requires that CMD.EXE be in the path.

Windows 3.x requires that the DOSPRMPT.PIF be in the Windows directory.

Note - If the capturing the output does not work correctly, or the command does not function correctly you may try the Alternate Capture Method command from the Advanced Menu<sup>†</sup>.

## Advanced

The advanced button allows additional items to be specified for each tool. These include the following:

### Bitmap/Icon

This allows the user to specify a bitmap or icon file to be used on the toolbar for the current selected tool. The browse button allows the user to browse for the bitmap or icon. The bitmap or icon will be scaled to fit on the toolbar. Each file should contain a single bitmap or icon.

### Replace Selected Text With:

This indicates that at the completion of the tool, the captured output or contents of the clipboard will be used to replace the current selection (or inserted at the cursor position if no selection), or if no replace is selected, the output will be displayed as normal.

Note - If the capturing the output does not work correctly, or the command does not function correctly you may try the Alternate Capture Method command from the Advanced Menu (32-Bit version only).

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<sup>†</sup> This feature is only available in the 32-bit version of UltraEdit.

## Chapter 12 Configuration Features

This section describes the configuration options available within UltraEdit. The default value settings are intended to suit the majority of users however the flexibility of the configurable section is intended to allow users to customize UltraEdit to better suit their individual requirements.

The following topics will be covered:

### General Configuration Page

#### General:

- Allow Multiple Instances
- Project Menu on Main Menu
- Recent Files List on File Menu
- Number of Recent Files on Menu
- Number of HEX characters/line
- Setting Left & Right Delimiters for Ctrl+Dbl Click
- Save Bookmarks
- Minimize on Last File Close
- Disable File Change Detection
- Auto Update Changed Files
- Disable Line Number
- Open File Without Temp File
- Auto Detect Unix Files
- Auto Convert Unix Files
- Save File as Input Format
- Default to Read Only
- Reload Open Files on Startup
- Use Default Directory on Initial File Open
- Use Active File Directory On File Open

#### Edit:

- Auto Indent
- Allow Positioning Beyond Line End
- Disable Drag & Drop
- Home Key Always Goto Column 1
- Select Extension for Settings (to configure tab/word wrap settings by file extension)
- Use Spaces in Place of Tabs
- Setting the Tab Stop Value
- Default Word Wrap on For Each File
- Setting the Wrap Method

#### Find:

- Show Slim Find Dialog After Start
- Continue Find at End of File
- Unix style Regular Expressions
- Find dialog defaults to word under cursor
- Find Next/Prev finds selected text (not text last searched for)

#### Backup:

- Backup files on save
  - No Backup
  - Replace extension with .BAK
  - Append .BAK to existing extension
- Default Backup Directory
- Automatic Backup
  - Time between automatic save

- Do not auto-save unnamed files
- Do not auto-save FTP files

#### Spelling Checker:

- Choosing the appropriate dictionaries
- Installing dictionaries
- User Dictionaries
- User Options

#### Toolbar:

- Feature List
- Toolbar List
- Inserting Tools
- Removing Tools
- Resetting Default Tools
- Use Large Icons On Tool Bar

#### Key Mapping:

- Available Commands
- Existing Hot Keys for Commands
- Assigning Hot Keys for Commands
- Removing Existing Hot Keys for Commands
- Resetting Defaults
- File Containing Keyboard Mapping

#### Syntax Highlighting (Please see Syntax Highlighting Section)

#### File Types:

- Inserting File Names/Descriptions
- Replacing File Names/Descriptions
- Deleting File Names/Descriptions
- Resetting Defaults
- Scrolling in the File List

#### File Associations:

- What are File Associations?
- Setting UltraEdit Associations
- Setting File Types/Extensions
- Editing File Descriptions

#### Directories:

- Setting the Default Save Directory
- Setting the Macro Default Directory
- Setting the Template Directory

## ***General Configuration Page***

The general options page has the following selections:

### General Application Items

These items are items that affect how the application as a whole functions and are not relevant to the other sections.

### File Handling Items

These items relate to how the files (documents) are handled as a whole and are not specifically related to the editing or formatting of the files.



## Load/Save/Conversions

These items relate to how the files are loaded and any forms of conversions or operations that may occur when a file is loaded or saved.

## Display

These items relate specifically to how UltraEdit will display files or how the overall editor will be displayed.

## Editing

These items relate specifically to preferences while editing a file and how an operation may be performed.

## Find

These items relate specifically to find operations with UltraEdit.

## Advanced/Problem Solving

These items should normally only be used if advised to by our technical support either directly or indirectly. Care should be used before changing these items.

## ***General Application Items:***

### **Allow Multiple Instances**

The Multiple Instances item determines if UltraEdit opens another instance of UltraEdit if it is invoked when an instance is already active. If this option is enabled, a new instance is opened each time UltraEdit is invoked. If this option is not enabled, only a single instance of UltraEdit is opened and any additional requests result in the first instance becoming active with the new file loaded in addition to any files already open.

### **Project Menu on Main Menu**

This option configures the editor to include the Project Menu on the Main Menu bar of the editor. If this option is not checked the Project Menu appears as a sub-menu of the File Menu.

**Note - After changing this setting the editor must be restarted for the menus to change.**

### **Recent files list on File Menu**

This option configures the recent file list to appear on the File Menu rather than as a sub-menu of the File Menu. If this option is not checked the recent file list appears as a sub-menu of the File Menu.

**Note - After changing this setting the editor must be restarted for the menus to change.**

## **Save Bookmarks**

UltraEdit provides the ability to save the bookmarks for any file that has active bookmarks when a file is closed. By default the feature is not enabled. This may be enabled by setting the "Save Bookmarks " setting in the General Options configuration page.

If this option is disabled UltraEdit will delete any saved bookmarks the next time UltraEdit is closed.

## **Delimiter character for line/column designator on command line: /**

This setting determines the character following a filename that allows the user to add /xxx to go to a line number or column number. If this character conflicts with a file or path name it can be modified to a character that is not likely to appear in a file or path name.

## ***File Handling Items:***

### **Number of recent files on File Menu: 16**

This setting sets the number of recent files that appear on the File menu for quick opening of files.

### **File change detection:**

Disable

Prompt for update when files change

Automatically update changed files

UltraEdit automatically detects any changes to a file that is loaded within UltraEdit and is changed outside of UltraEdit. By default when the changes are detected UltraEdit will prompt the user with the option to reload the file (in which case any unsaved changes to the file in UltraEdit will be lost). The user may choose to reload the file or ignore the changes.

Optionally, UltraEdit provides the ability to ignore any file changes by setting the "Disable" option under "File Change Detection" in the General Options configuration page. In this case UltraEdit will not detect or prompt for any file changes.

Optionally, UltraEdit provides the ability to automatically update the loaded files with any changes that have been made outside of the editor by setting the "Automatically Update Changed Files" option under "File Change Detection" in the General Options configuration page. In this case, the file will be loaded and any unsaved changes made within UltraEdit will be overwritten automatically without prompting.

### **When a file is detected as changed and reloaded, make it active**

This setting sets instructs UltraEdit to make any file it detects as changed and reloads to be the active file. The default setting is not to make the file active.

### **Ignore file changes if the file was deleted**

This setting instructs UltraEdit not to notify the user when UltraEdit detects that a file has been deleted that is open within the editor. If this is not set (default) UltraEdit will notify the user that a file has been deleted if the file change detection is enabled (in Configuration).

## Disable line number

The Disable Line Numbers option allows the line number display in the status bar to be disabled. Under normal circumstances this option should be left unchecked. For very large files, file positioning may be slowed down while UltraEdit establishes the line number. In this case the line numbers may be disabled. If the option is checked, line numbers are disabled, if unchecked line numbers are enabled.

## Use of temporary file for editing (Provided for very large file handling)

Use temporary file for editing (normal operation)

Open file without temp file but prompt for each file (CAUTION: Edits are permanent, decreases load time for large files)

Open file without temp file but NO prompt (CAUTION: Edits are permanent, decreases load time for large files)

Threshold for above (KB): 15000

UltraEdit allows editing of very large files. This is accomplished with relatively small amounts of memory being used. UltraEdit is a disk based editor, and only loads a small portion of the file into memory at one time. Normally, UltraEdit copies a file that is being edited to a temporary file, and at the end of the editing session deletes the file, after copying back to the appropriate original file.

To speed up editing of very large files, the General Options configuration page allows you to specify editing without using temporary files. This removes the time necessary to copy the file to a temporary file. When editing files of many megabytes this can be an advantage.

### **WARNING - If this option is selected, all changes are permanent!**

A dialog box is shown warning the user this setting is enabled each time a file is opened. This may be disabled by selection the option to open the file without a temp file with NO prompt.

A "Threshold" field is provided to allow the user to specify files that are equal or larger than this value to be loaded without the creation of the temporary file. Files smaller than this would be loaded normally, creating a temporary file. Setting the value to zero means that all files would be loaded without the creation of the temporary file. The "Threshold" field is only applicable if the option to open files without the temporary file is set.

Additionally, the Disable Line Number option improves the performance when navigating around large files as less disk access are required to track the line numbers.

UltraEdit allows editing of files greater than 4GB (up to a size of  $2^{64}-1$ ).

## Reload files previously open on startup

If this option is checked UltraEdit saves information about the open files when UltraEdit is closed. This information is used to automatically reload the files that were open the next time UltraEdit is started. This allows easy reloading of a set of files that are edited on a regular basis. If UltraEdit is invoked automatically for printing the files are not reopened.

## Reload FTP files when reloading a project or last open files

This setting determines if UltraEdit should reload FTP files when it reloads files for a project/workspace. Typically UltraEdit does not reload FTP files automatically due to the potential time delay in connecting and load the files. Selecting this to option will ensure UltraEdit treats FTP files as normal files in this regard.

## **Use default directory from shortcut on initial file open**

### **Use active file directory for file open dialog default**

Normally the directory used for the File Open command is the last directory that UltraEdit opened a file from. This directory information is retained when UltraEdit is shutdown and restarted.

When the "Use default directory from shortcut on initial file open" option is set, the normal behavior is overridden and the process default directory is used for the initial open. This allows the user to specify the default directory from the icon or shortcut that invokes UltraEdit.

When the "Use active file directory for file open dialog default" option is set, the normal behavior is overridden and the directory of the currently active file is used. This allows the user to easily open a file from the same directory as an already open file by activating the file and then use the File Open command.

### **Open links (.lnk) files, not the file the link points to**

This setting causes the editor to open the link for modification. The default setting of (not setting this option) causes UltraEdit to expand the link to open the root file.

### **Change the Read-Only attribute when changing menu setting**

This setting instructs UltraEdit to change the read-only status of the file when the menu setting for read-only is changed. The default setting (unchecked) causes allows the user to change the editors state preventing or allowing modification of the file but causes no change to the actual file status when the read-only status is changed from menu.

### **Create new EDIT file when opening with no other files**

This setting instructs UltraEdit to create a new empty document (EDIT1) file when it starts up if no other files are being opened.

### **Lock file for write while editing**

This setting causes the editor to keep the lock on any file that is opened. Additionally, if the file is already locked, it allows for open by read-only in this case prompting the user with a dialog box to confirm the open as read-only. This feature prevents modification of a file from outside of the edit session preventing loss of changes made.

### **Use IBM-500 standard for EBCDIC conversion**

This setting forces UltraEdit to use the IBM-500 standard for EBCDIC conversion. UltraEdit's default conversion did come from published EBCDIC tables but does not provide a direct one-to-one comparison.

## ***Load/Save/Conversions***

### **Unix/Mac file detection/conversion**

Disable

Detect file type and prompt to change

Automatically convert to DOS format

These options allow the user to determine if UltraEdit should automatically detect and convert UNIX/MAC files to DOS format when they are opened. Optionally the user may select to be prompted each time a UNIX/MAC file is detected before it is converted. If no detection/conversion is desired this may be disabled.

### **Auto detect UTF-8 files**

This option instructs UltraEdit to automatically detect UTF-8 files when opened.

### **Save file as input format (UNIX/MAC/DOS)**

This option instructs UltraEdit to automatically save the file as the original format (UNIX/MAC) when saved unless it was manually converted after opening.

### **Open files as Read-Only by default**

The Read Only command toggles the state of the read-only status of the file. If the read-only status is set the file cannot be modified. If this is set, files will automatically be opened as read-only. This does not change the status of the file itself, just the ability to modify it within UltraEdit.

### **Trim trailing spaces on file save**

This function causes UltraEdit to automatically remove the trailing white space (spaces/tabs) from the end of every line in the file and position back to the original cursor position when it is complete each time a file is saved. The functionality of Trim Trailing Spaces is such that it does require a newline to operate on a given line of text. If the last line of text in your file is terminated with a hard return, Trim Trailing Spaces will work on that line as well.

### **Create a new file if file specified on command line does not exist**

This setting instructs UltraEdit to create a new file if the file specified to be opened on the command line does not exist. The default setting is to create the new file.

### **Remember the Read-Only setting when reloading a file currently open**

This setting causes UltraEdit to maintain the Read-Only status of a file when this file is reloaded. By default when a file is reloaded the status of Read-Only does revert to the status of the underlying file. This is because a lot of users use UltraEdit and this feature with version control systems and the only thing that changes is the Read-Only status and the users want/expect the status within UltraEdit to change also.

### **Do not convert returns (CR/LF) during EBCDIC conversion**

This setting overrides the conversion of EBCDIC returns when converting files to ASCII format. The EBCDIC table does call for conversion of hard returns (CR/LF) but some users requested that this not occur.

## ***Display***

### **Number of HEX characters per line: 16**

This setting defines the number of HEX characters to be shown in each line of the display.

### **Always on top**

If this option is checked UltraEdit will be set to always be the top window.

### **Minimize on last file close**

If this option is checked UltraEdit will minimize when all open files are closed.

### **Minimize to System Tray (not Task Bar)**

If this option is checked UltraEdit will minimize to the System Tray and NOT to the task bar.

### **Always open editor maximized**

This setting determines if UltraEdit should always open its main window in a maximized state. The default is for UltraEdit to remember the previous settings. If this setting is checked UltraEdit will open the main window in a maximized state.

### **Setting this may improve display issues with ClearType fonts on Windows XP**

This setting does not actually enable ClearType but it does compensate for some issues that may show up when using ClearType with UltraEdit, specifically with Windows XP.

### **Start ruler numbering at column 1**

This setting causes the editor to start the ruler at 1. If this option is not selected (default) UltraEdit starts the ruler at 0.

### **Maximum columns before line wraps: 20,000**

This setting sets the maximum columns allowed within UltraEdit before it wraps the line (soft wrap). The default is 4096 columns but a maximum of 20,000 is allowed. Some video drivers have a problem when this is set too high.

### **Count wrapped lines as new lines in number display**

This setting causes UltraEdit to show wrapped lines with different line numbers. By default this is not set.

## **Display file name only in document file**

This setting allows the user to specify that UltraEdit should only display the filename only and not the path in the title bar for the editing window. If this is not selected the filename and path will be displayed (default). If this setting is selected only the filename will be displayed.

## **Show CHM user help files always on top**

This setting allows users to force UltraEdit to always show user defined CHM Help files as the top-level window when opened.

## **Check and show file associations on startup**

This setting causes the file association dialog to be shown each time UltraEdit is started. If this is not selected File Associations may only be changed under Configuration in the Advanced menu.

## **Cursor/Caret Type**

Normal: Vertical bar in insert mode/block caret in overstrike

Always a vertical bar

Inverted: Block caret in insert mode/vertical bar in overstrike

This setting determines the type of cursor/caret used in UltraEdit. If set to "Normal", in Insert Mode the caret will be a vertical bar and in Overstrike Mode the caret will be a block caret. If set to "Always a vertical bar" the block caret is disabled. If set to "Inverted" the caret type will be reversed such that in Insert Mode the caret will be a block caret and in Overstrike Mode the caret will be a vertical bar.

## ***Editing***

### **Left delimiters for CTRL+Dbf Click: {}<>"**

### **Right delimiters for CTRL+Dbf Click: {}<>"**

UltraEdit allows selection of text by double clicking the primary mouse button (usually the left button). Normally a single word is selected made up of any alphanumeric character or underscore '\_'.

If the control key is pressed at the time the primary mouse button is double clicked, a string is selected rather than just a single word. This can be very useful in selecting filenames, e-mail addresses, etc. The characters that delimit the string are configurable in the General Configuration page. This function works on a single line only.

These entries, one for the left edge of the text to be selected and one for the right edge, specify what characters should be used to stop any further text from being selected. If a space only is specified in each field all text either side of the cursor position will be selected until a space is encountered.

If text is selected when the right mouse button is pressed, a new menu item "Open File Highlighted" is added to the top of the pop-up menu and if selected the file is opened if it exists.

### **Break on hyphen (-) when converting/reformatting paragraphs**

This setting determines if UltraEdit should break words at hyphens when reformatting a line. The default is for UltraEdit to break lines at hyphens. If this setting is not selected UltraEdit will not break the line when a hyphen is encountered.

### **Disable Left Cursor from going to previous line**

This setting causes UltraEdit NOT to move up to the previous line if the cursor is at the start of a line and the left arrow key is pressed. If this setting is not selected (default) UltraEdit will allow the cursor to move to the end of the previous line.

### **Allow selection of line with mouse in margin**

This setting determines if UltraEdit will allow line selection by clicking/dragging the mouse in the left margin of the edit window. The default setting is checked, allowing the selection.

### **Do not auto-complete structure members (items following "." or "->")**

This setting causes UltraEdit not to auto-complete keywords following a "." or "->". This was configured as the default due to issues faced particularly by Java programmers using Auto Complete. If this setting is not selected keywords following these items would be auto corrected.

### **Only recognize DOS terminated lines(CR/LF) as new lines for editing**

This setting causes UltraEdit to only recognize DOS terminated lines (CR/LF) as new lines for editing. By default UltraEdit automatically recognizes UNIX/MAC terminated files for display purposes.

### **Column Mode Overstrike**

No overstrike of unselected columns

Overstrike if in overstrike mode

Always overstrike unselected columns

With "Overstrike if in overstrike mode" selected, the column operations operate either in insert mode (as default) or overstrike/overpaste mode based on the insert/overstrike keyboard setting. This is toggled by the Insert Key and shows up on the status bar.

If in overstrike mode, cut/delete operations will remove the contents but leave spaces so that column data is not shifted. Paste operations will paste over the current position data and not shift columns either.

If it is preferred that the overstrike mode is what you require permanently for column mode, you may select the option "Always overstrike unselected columns". If you never want overstrike mode to be used with column operations, you may select the option "No overstrike of unselected columns".



## **Default file type for new files**

DOS

UNIX

MAC

This setting determines the default file type for NEW files created within UltraEdit. The default is for DOS files. Alternatively a default of UNIX or MAC file types may also be selected.

## **Always create new files as UNICODE**

This setting causes UltraEdit to create all new files as UNICODE (16-bit) files regardless of the file type (DOS/UNIX/MAC) configured for new files.

## **Reformat paragraph after paste when wrap settings set to add hard returns at specific column number**

This setting causes UltraEdit to automatically reformat a paragraph after a paste command if the Word Wrap settings are set to wrap at a specific column number with the insertion of hard returns (CR/LF). UltraEdit defaults to this behavior and not selecting this option will disable this feature.

## **Show auto-complete dialog automatically**

This setting causes the auto-complete popup-dialog to be shown automatically as the users types instead of waiting for it to be invoked specifically by the user. The default setting is for this not to be shown (unchecked).

## ***Find***

### **Special character used in Find/Replace strings (normally ^): ^**

In the find/replace strings a caret "^" (by default) has special meaning (see help on Find). This setting allows a different character to be used in Find/Replace routines from the caret "^". It is recommended a pipe character "|" or similar uncommon character be used.

### **Use active file path for Find/Replace in Files default directory**

This setting causes UltraEdit to use the active file path for setting the Find/Replace in Files default directory. By default UltraEdit uses the previous path used in the dialog for this.

### **Display find string dropdown on toolbar**

This setting determines if UltraEdit should display the "Find" dropdown control in the toolbar for quick find operations. By default this is enabled (checked).

## **Set focus to edit window when going to result of List Lines Containing String dialog**

This setting causes UltraEdit to set focus to the edit window rather than the List Lines Containing String dialog when the result is double clicked in the List Lines Containing String dialog. By default this is set but some users requested that focus remain on the List Lines Containing String dialog in this case.

## ***Advanced/Problem Solving***

### **Enable old style (pre-v9) toolbars and menus (quicker load times and more compatible with some screen readers)**

This setting allows the user to specify that UltraEdit should use the "old style" (pre-Version 9) menus and toolbars. By default this is not selected. To use the old style toolbars and menus this should be selected. This was added primarily for blind users that use screen readers as the newer menus were not compatible with screen readers. This additionally provides better performance when UltraEdit loads. If this option is selected UltraEdit will only support a single toolbar and will not support configurable menus.

### **Check short names against files already loaded to prevent loading of two copies of same file**

This setting forces a check when opening a file for existing files with a matching short name to prevent opening the same file twice. On some servers the short name is the same causing UltraEdit not to open the file. Disabling this (unchecking it) will cause the check not to be made.

### **Load/Restore printer settings**

UltraEdit tries to communicate with the printer driver when it loads and shuts down (to preserve settings). If a network printer is specified as the default printer and not available this may cause a delay on startup while UltraEdit tries to find the printer on the network. If this option is not selected then UltraEdit does not communicate with the printer.

### **Allow low ASCII values to be entered (usually control codes)**

This setting allows the input of "low values" to be entered such as control codes while editing. Normally these would be ignored.

### **Reset menus to default state - this will be reset back to 0 after restart**

This setting restores the menus to their default state removing any user customization. After setting this option and restarting UltraEdit this setting will be unchecked again.

### **Use larger internal buffers - this may in some cases increase performance on large files**

This setting determines if UltraEdit should use larger buffers internally for some of its operations. This can speed up some operations on very large files but is very much hardware dependent.

### **Use memory buffers for editing - can increase performance on very large files if you have enough memory**

This setting forces UltraEdit to use memory buffers for editing and can increase performance on very large files if the system has enough memory. If editing very large files and this setting is used with insufficient memory it will slow the system down considerably.

### **Allow editing of text files with HEX 00's without converting them to spaces**

When a file is loaded UltraEdit checks the first 3K of the file and if it contains more than one NULL (HEX 00) the file is considered a binary/HEX file. NULLS are not valid in an ASCII file and will be converted to spaces if you edit the file in text mode if this option is not selected (default). If you view a HEX file in text mode but make no changes UltraEdit should not convert the NULLS to spaces, but if you do make changes in TEXT mode to a HEX file the change will occur.

Selecting this option overrides this conversion of NULLS (HEX 00) to spaces but we still recommend NOT editing binary files in TEXT mode. NULLS are normally considered string terminators and not generally valid in ASCII files. Using this setting may cause some functions not to work past the NULL although this should not effect general editing.

### **Delete original file before saving the file**

When a file is saved the original file is overwritten with the new file. In some cases on some servers it's necessary to first delete the file and create a new file. Setting this option causes the file to be deleted and replaced by the new file.

### **Copy file instead of using rename when creating backup file**

This setting affects how UltraEdit generates the backup file. By default UltraEdit renames the original file to the backup file. The reason for the setting is that on some systems, if UltraEdit renames the original file to create the backup, the original file when it is recreated does not maintain the file permissions that previously existed. Setting this causes the rename not to occur, preserving the permissions.

### **Always create new file when copying to/from temporary file**

When copying to/from the temporary file to the users file UltraEdit does not create a new file, truncating the old file, it copies the file and sets the file length. On a few servers they appear not to like or support this and do not honor the setting of the file length correctly, causing remnants of the old file to remain if the users deletes a section of a file and saves it. Setting this causes the file to be truncated to 0 length prior to writing the file.

### **Use registry for settings (not INI file) - This will NOT move the existing items to the Registry**

This setting causes the editor to save and retrieve all settings from the Registry. After UltraEdit determines the INI file in use it checks for this value before reading any other values. If this is set UltraEdit stores all settings in the Registry.

### **Skip FTP Close command when connecting to FTP Server**

When UltraEdit connects to an FTP server it issues a close command first to clear any previous connection that may have been aborted. In some cases with products that use FTP Tunneling this has caused a crash within the tunneling software. Setting this options causes UltraEdit not to issue this FTP close command.

## Use DDE Associations

When File Associations are set from within UltraEdit the setting to use DDE is normally set in the registry for the specific file type. On some systems this may cause an error message when the file is double clicked from Explorer. In this case ensuring that Use DDE Associations is not selected may resolve this. The file associations will need to be modified for this to take effect.

## Edit Configuration Page

The Edit Configuration Page has the following selections:

|                                    |   |
|------------------------------------|---|
| Auto Indent                        | toggles the state of automatic line indentation   |
| Allow Positioning Beyond Line End  | allows the cursor to be positioned beyond the end text in a line  |
| Disable Drag and Drop              | disables the Drag and Drop Editing feature  |
| Home Key Always Goto Column 1      | forces the Home key to go to the first non-space character unless in that position, in which it will go to the first column   |
| Auto Complete File                 | specifies source file for Auto Completion function  |
| Tab/Word Wrap Change List          | Tab and Word-Wrap settings will change to reflect the extensions shown. The "default" setting is used for any files that do not match the user-defined extensions.            |
| Use Spaces in place of Tabs        | tab stops will be based on the number of spaces specified below   |
| Tab Stop Value                     | sets number of spaces to use in place of tabs   |
| Default Word Wrap on for Each File | toggles use of word wrap each time a file is created  |
| Wrap Method                        | allows user to set wrap at window edge, after selected column #, after column # inserting CR/LF, automatically insert CR/LF at file open, or set absolute wrap after column # |

## Automatic Line Indentation

UltraEdit provides automatic line indentation. When automatic line indentation is enabled, UltraEdit automatically indents a line to match the indentation of the previous line. The indentation is performed by inserting spaces into the document.

This option is only active in INSERT mode, not in OVERSTRIKE mode.

## Disable Drag & Drop

UltraEdit supports dragging and drop editing using the mouse.

Drag and drop editing allows the user to select text in the normal manner and then copy or move the selected text by dragging it to a new location with the mouse. No keyboard interaction is required.

Initially the user selects text in the normal manner. Once text has been selected, the user may click the primary mouse button (usually the left button) on the selected text, at which time the mouse pointer changes to a pointer with a small dotted rectangular box at the bottom of the pointer. This pointer indicates you are in the drag and drop editing mode and may drag the selection to a new location.

While keeping the primary mouse button down the selected text may be dragged to a new location. As you move the mouse the cursor will follow the mouse and the cursor indicates the new position of the text if you stop pressing the mouse button (and "drop" the text).

The user may even drag the text from one file to another within UltraEdit. If the mouse is positioned over a different file within UltraEdit, that file will become active and the text may be dropped into that file at the cursor position shown.

At any time, pressing ESCAPE will cancel the drag and drop mode.

Additionally, instead of moving the text being dragged it may be copied to a new location. If at any time while in the drag and drop mode the CTRL key is pressed and held the mouse pointer changes to have a small '+' symbol beside it indicating the text will be copied to the new location indicated by the cursor and also remain in the original position.

Drag and Drop editing is supported in normal, HEX and Column editing modes.

## Auto-Completion

UltraEdit provides the ability to complete words automatically while typing. There are four aspects to the Auto-Completion:

- When invoked all the keywords from the Syntax Highlighting will be available in the list (if the file uses Syntax Highlighting).
- In configuration under the EDIT tab a user specified file may be used to provide the strings for Auto-Completion. In this case a new line is required for each word, or sentence (allowing a complete sentence/paragraph to be specified).
- UltraEdit will search back 50K in the active file from the cursor location for words that match a partially typed word and show these.
- Functions shown in the Function List will be shown in auto-complete list.

By default Auto-Completion is invoked with Ctrl+Space. When this is invoked a list box is displayed with the possible words/phrases for completion. If an appropriate word exists it will be highlighted. Typing additional characters will change the selection as appropriate to a word that matches the partial word typed.

The user may use the cursor keys to change the selected word and at any time use the TAB, SPACE or ENTER to select the word to be used. Doing so will cause UltraEdit to replace the partially entered word (if present) with the selected word/phrase.

Shortcut Keys: CTRL+Space

## Tab/Word Wrap Change List

UltraEdit allows the tab and Word-Wrap settings to be based on the file extension of the file. Initially the defaults will be used. To add an extension type click on "Change List" and a dialog will be displayed allowing you to add or edit up to 10 extension types.

The tab and Word-Wrap settings will change to reflect the extensions shown. The "default" setting is used for any files that do not match the user-defined extensions.

## Tab Settings

UltraEdit allows for selection of Tab Stops and for Tab characters to be replaced by spaces automatically while editing.

"Use spaces in place of Tabs", if checked instructs UltraEdit to replace TAB characters with spaces. If this selection is made, the "Indent Spaces" value specifies the number of spaces to use.

The "Tab Stop Value" specifies the TAB stops, while the "Indent Spaces" specifies the number of spaces to use in place of a TAB character. This allows the user to have one setting for tabs and another for indentation.

The user may define multiple TAB stop values (up to 12) in comma-delimited format, i.e. "4,4,8". The last value defined will be used for subsequent TABS. In the example above, the first two TABS would be equal to four spaces and all subsequent TABS would be equivalent to 8 spaces.

If the option to replace Tabs with spaces is chosen, UltraEdit inserts spaces in place of Tabs but maintains the Tab Stop spacing using the number of spaces specified.

UltraEdit does not replace existing Tab characters that may exist within the document.

## **Word Wrap command**

Use this command to automatically wrap words to the next line at the horizontal edge of the active window, or at a specified column.

There are four selectable modes of operation for word wrap:

Wrap at window boundary, without inserting a hard return.

Wrap at a specified column number without inserting a hard return.

Wrap at a specified column number and insert a hard return.

With this option, an additional option specifies if the file should be automatically wrapped on input. If selected, the file is wrapped on input, otherwise text is only wrapped as it is modified.

Note - The column wrap above wraps on a word boundary. This may mean that the wrap does not occur on the specified column but on a lesser column number.

Absolute wrap after specified column. This will wrap exactly at the specified column.

With this option, an additional option specifies if the file should be automatically wrapped on input. If selected, the file is wrapped on input, otherwise text is only wrapped as it is modified.

If the option to wrap at a specified column AND insert a hard return is made, the file is automatically modified to wrap at the column and insert appropriate hard returns.

Additionally, the Reformat Paragraph feature may be used to wrap a paragraph to the specified column number.

If the editor active window is in HEX mode, this command is not available.

## **Find Configuration Page**

The Find Configuration Page has the following selections:

|                                |   |
|--------------------------------|---|
| Show Slim Find dialog          | shows a slim dialog after the initial find command is started with find next/find previous buttons on it  |
| Continue Find at End of File   | when a search reaches the end of file and the string is not found the search is continued from the other end of the file  |
| Unix Style Regular Expressions | use UNIX style/syntax Regular Expressions. (see Appendix 2, Regular Expressions for further details)  |
| Find dialog defaults to word   | when set, UltraEdit automatically initializes the find/replace dialogs with the word under the cursor position. If not set, it uses selected text if present or the last find string. |

Find Next/Prev finds selected text when set, UltraEdit will find the selected text when a FIND NEXT/PREVIOUS command is performed instead of the previous search string UNLESS Regular Expressions is selected.

### **Show Slim Find Dialog**

This option determines if the slim Find dialog with Find Next and Find Previous buttons should be shown after the find command is initially started.

If set, the dialog is shown at the top of the screen.

### **Continue Search at End of File**

This option determines if the search for a string is to be continued at the opposite end of the file if the string is not found.

If this option is not set, UltraEdit does NOT wrap around at the end of file when searching for a string. The default behavior is for UltraEdit to continue the search from the opposite end of the file when a target is not found.

### **Backup Configuration Page**

The backup configuration page allows the editor backup and auto-save options to be set. This page provides the following options:

|                          |   |
|--------------------------|---|
| Backup Files on Save     | when a file is saved the option to generate a backup file is provided |
| Default Backup Directory | allows all backup files to be copied to the same backup directory     |
| Automatic Backup         | automatically saves all open files at the desired interval            |

### **Backup Files on Save**

When a file is saved the option to generate a backup file is provided. Three choices are available:

- No backup file is created - When a file is saved the original file is overwritten and a backup file is not created.
- Replace extension with .BAK - When the file is saved, the original file is copied or renamed to a backup file with the same filename and a “.BAK” extension in place of the existing extension. The modifications are saved to the original filename/extension.
- Append .BAK to the existing extension - When the file is saved the original file is copied or renamed to a backup file with the same filename and extension and .BAK is added to the filename (filename.ext.BAK). The modifications are saved to the original filename/extension.

### **Default Backup Directory**

Normally the directory used for the backup file is the same directory as the source file. This parameter allows all backup files to be copied to the same backup directory.

If this item is left blank then the directory used will be that of the source file.

## **Automatic Backup**

The option is provided to automatically save all open files at the desired interval. The interval is configurable in minutes. If the interval is set to zero (0) no automatic save is performed.

Two further options are available for backup:

The option is provided for the automatic save to ignore files that do not have a name (i.e. files that were created with the New File command). This stops the Save As dialog from appearing if an unnamed file exists and has been modified.

The option is provided for the automatic save to ignore files that were downloaded via FTP to avoid the delay and possible connection issues of automatically writing a file to a remote server.

If a file is saved due to the automatic backup/save command a .BAK file is only created for the first save of the session. For subsequent saves with this feature the .BAK file is not created or overwritten.

## **Spell Checker Configuration**

The spelling checker options configuration page allows selection of the main spelling dictionaries to be used by UltraEdit. The user may select any of the languages shown, or if preferred may select none of the languages in which case UltraEdit will use only the user dictionary.

The spelling checker will be slower for more languages selected.

UltraEdit is not distributed with all dictionaries, as the size of these is prohibitive. Ensure you have installed the appropriate dictionary before selecting a language. Normally, the English (American) dictionary is distributed with UltraEdit.

Access from this page is given to select the User Dictionaries and additional Spell Checker Options.

Note: The spelling checker performance varies with the options selected. If the Case Sensitive setting is selected the performance can be significantly improved.

## **Options Dialog**

You can use the Options Dialog to specify various spelling-checker options. These options affect the way the spelling checker operates.

### **Ignore Capitalized Words**

When enabled, any words beginning with a capital letter are ignored (i.e., are skipped over without being checked). You might enable this option if the text being checked contains many proper names.

### **Ignore All-Caps Words**

When enabled, any words containing all capital letters are ignored (i.e., are skipped without being checked). You might enable this option if the text being checked contains many acronyms.



## Ignore Words with Numbers

When enabled, any words containing embedded digits are ignored (i.e., are skipped without being checked). Examples of such words include “Win95” and “Q4.” You might enable this option if the text being checked contains many code words or other symbols containing digits.

## Ignore Words with Mixed Case

When enabled, any words containing an unusual mixture of upper- and lower-case letters are ignored (i.e., are skipped without being checked). Examples of such words include “MicroHouse” and “CapsLock.” You might enable this option if the text being checked contains many variable names or other symbols which use case changes to distinguish words.

## Report Doubled Words

When enabled, any word appearing twice in a row is reported via the Check-Spelling Dialog.

## Case Sensitive

When enabled, a distinction is made between capitalized and non-capitalized words. For example, canada is considered different from Canada, so canada would be reported as a misspelling. When the option is disabled, canada and Canada are considered identical.

## Phonetic Suggestions

When enabled, suggestions are made on the basis of phonetic (sounds-like) similarity to the misspelled word. This option tends to improve suggestions for badly misspelled words. Enabling this option will increase the time required to locate suggestions. Note that either this option or the Typographical Suggestions option must be enabled or no suggestions will be offered.

## Typographical Suggestions

When enabled, suggestions are made on the basis of typographical (looks-like) similarity to the misspelled word. This option is appropriate for people who are generally good spellers. Note that either this option or the Phonetic Suggestions option must be enabled or no suggestions will be offered.

## Suggest Split Word

When enabled, two separate words will be suggested as a replacement for a misspelling containing two joined words. For example, “is the” would be suggested as a replacement for “isthe”.

## Match Case in Replacements

When enabled, suggested replacements for misspelled words will use the same letter-case pattern as the misspelled word. When disabled, the replacements will use the case pattern of the word as it exists in the dictionary. This option also applies to words defined in auto-change and conditional-change dictionaries.

## **Auto Correct**

When enabled, words defined in auto-change dictionaries will automatically be changed to their specified replacements. When disabled, you will be prompted before the words are changed.

## **Suggestions**

Determines the speed and accuracy of the initial search for suggested replacements for misspelled words. When a misspelled word is detected, a search is automatically made for suggestions. This option controls the speed and accuracy of this automatic search. Pressing the Suggest button in the Check-Spelling dialog causes an increasingly more accurate (but slower) search for suggestions.

## **OK button**

Closes the Options Dialog, and saves any changes made to the option settings.

## **Cancel button**

Closes the Options Dialog, and discards any changes made to the option settings.

## **Dictionaries Dialog**

The Dictionaries Dialog allows you to open and close user dictionaries, and to edit the contents of an open user dictionary. The contents of dictionaries are saved in disk files. You can open some or all of your user dictionary files at any time. Only open dictionaries are checked during a spell-checking operation.

## **Add File button**

Opens a user dictionary file. When you select the Add File button, a dialog appears which you can use to select the dictionary file to open. The set of open dictionary files is remembered, so once you add a dictionary file you don't need to add it again. If you need to create a new user dictionary, use the New button. You can open other applications user dictionary files.

## **Add Word button**

Causes the word entered in the edit area of the Words list to be added to the currently selected dictionary. Note that if the dictionary type is "auto change" or "conditionally change," you must enter a word and a replacement, separated by a colon (e.g., "teh:the"). Note that the Add Word button is enabled only when a new word is typed in the edit area of the Words list

The words you add may contain virtually any character, but only words which contain embedded periods should have trailing periods (e.g., U.S.A. is OK, but USA. is not).

## **Close button**

Closes the Dictionaries dialog.

## Delete Word button

Causes the word appearing in the edit area of the Words list to be removed from the currently selected dictionary. If the dictionary type is “auto change” or “conditionally change,” enter just the word without the colon or replacement word.

## Export button

Saves the contents of the currently selected dictionary to a text file. When you select the Export button, a dialog appears which you can use to select the name of the text file to which words in the dictionary will be exported. The words are written to the file one per line. If the dictionary type is “auto change” or “conditionally change,” words and their replacements are written, separated by a colon.

## Files list

Contains the list of open dictionary files. When you select a file from the list, its contents are displayed in the Words list.

## Import button

Adds the words contained within a text file to the currently selected dictionary. When you select the Import button, a dialog appears which you can use to select the text file to be imported. Each word in the selected file is loaded into the dictionary. If the dictionary type is “auto change” or “conditionally change,” words in the file must be in word:replacement form (e.g., “teh:the”).

## Language

Displays the language (e.g., English or French) of the words in the currently selected dictionary.

## New button

Creates a new user dictionary file. When you select the New button, a dialog appears which you can use to specify attributes of the new dictionary. See the New Dictionary dialog for details.

## Remove File button

Closes the currently selected dictionary file. Closed dictionaries are not checked during a spelling check. Although the file is closed, it is not deleted. Closed dictionary files can be later reopened using the Add File button.

## Type

Displays the type or purpose of the currently selected user dictionary. The dictionary type indicates what will happen if a word is located in the dictionary during a spelling check.

## Words list

Contains the list of words in the currently selected user dictionary. If the dictionary type is “auto change” or “conditionally change,” then the list contains words and their replacements, separated by colons.

## Dictionary Types

User dictionaries can be in several different types. The type indicates what happens when a word is found in the dictionary during a spelling check.

### Auto Change:

Words found in an Auto Change dictionary are automatically replaced with other words. Typically, Auto Change dictionaries hold frequently misspelled words and their correct replacements. For example, an Auto Change dictionary might contain the misspelled word "recieve" and its replacement "receive". Each entry in an Auto Change dictionary contains a word and the replacement, separated by a colon (e.g., "recieve:receive").

Note that Auto Change dictionaries behave in the same manner as Conditional Change dictionaries if the Auto Correct option is disabled.

### Conditional Change:

Words found in a Conditional Change dictionary are presented to you as candidates for replacement, and are replaced with other words if you request. Typically, Conditional Change dictionaries hold potentially misspelled words and their usual replacements. Each entry in a Conditional Change dictionary contains a word and the replacement, separated by a colon

(e.g., "recieve:receive").

### Exclude:

Words found in an Exclude dictionary are ALWAYS considered MISPELLED, even if they are defined in other dictionaries. Typically, Exclude dictionaries hold words you may use but don't want to appear in your writing. You might also use an Exclude dictionary to hold words you type by accident. For example, you might enter "newt" in an Exclude dictionary if you occasionally type "newt" when you mean to type "neat." If you like, use the name "NeverUse" for a user dictionary of this type.

### Ignore:

Words found in an Ignore dictionary are considered correctly spelled. Typically, Ignore dictionaries hold words you use but which don't appear in the other dictionaries. For example, you may add your family name or street name to an Ignore dictionary. Place all one-word dictionary additions in a user dictionary with a type Ignore. If you like, use the name "Additions" for a user dictionary of this type.

## New Dictionary Dialog

You can use the New Dictionary Dialog to specify the attributes of a new user dictionary.

### Browse button

Displays a dialog that shows the names of other user dictionary files. You can use the dialog to view the names of existing dictionary files, and to enter the name of the new dictionary file.

### Cancel button

Closes the New Dictionary Dialog without creating a new dictionary.

### File Name box

Contains the name of the disk file used to hold the new dictionary's contents. You can enter a name here or use the Browse button to display a dialog showing the names of other dictionary files.

### Language list

Specifies the language (e.g., French, English) of the words the new user dictionary will contain. If the language you want to use is not listed, select "Other."

### OK button

Closes the New Dictionary Dialog and creates the new dictionary.

### Type list

Specifies the type or purpose of the new user dictionary. The type defines what happens when a word is located in the dictionary during a spelling check.

## Check-Spelling Dialog

The Check-Spelling Dialog appears if a word requiring your attention is detected. You can use the dialog to specify whether the word should be ignored or replaced.

### Add button

Causes the reported word to be added to the dictionary selected in the Add Words To list. Use the add button if a correctly spelled word you use often is reported as a misspelling (e.g., your family name). If the word is not used frequently, you may want to select the Ignore or Ignore All buttons instead.

### Add Words To list

Indicates which user dictionary words will be added to when you select the Add button. The Add Words To list shows all ignore-type user dictionaries currently open. You can open or close other dictionaries via the Dictionaries dialog, which is accessible by selecting the Dictionaries button.

### Cancel button

Stops the current spell-checking operation.

### Change button

Causes the reported word to be replaced with the word in the Change To box. Only this occurrence of the reported word is replaced. If you want this and all following occurrences of the word replaced, select the Change All button.

### Change All button

Causes this and all following occurrences of the reported word to be replaced with the word in the Change To box. If you want only this occurrence of the word to be replaced, use the Change button. If the reported word is one you frequently misspell, you might consider adding it to a change-type or suggest-type dictionary via the Dictionaries dialog. You can display the Dictionaries dialog by selecting the Dictionaries button.

### Change To box

Contains a word that will replace a misspelled word when you select the Change or Change All buttons. You can enter a word in the Change To box by typing, or you can select one of the suggested replacements from the Suggestions list.

### Consider Changing box

Contains a word that may be misspelled or otherwise incorrect, and is presented with a candidate replacement word. You can change the word by selecting the Change button, or skip it by selecting the Ignore button. Note that the label of this box changes to Not in dictionary when a misspelled word is detected.

### Dictionaries button

Causes the Dictionaries dialog to be displayed. You can use the Dictionaries dialog to open or close user dictionaries, and to edit the contents of user dictionaries.

### Ignore button

Causes this occurrence of a misspelled word to be skipped. If the same misspelled word appears later, it will be reported.

### Ignore All button

Causes this and all further occurrences of a misspelled word to be skipped. You might use this button if the word reported as a misspelling is actually spelled correctly. If the word is one you use frequently, you may wish to ignore it permanently by selecting the Add button.

### Lock Pos. check-box

Locks the position of the Check-Spelling dialog in place. Normally the Check-Spelling dialog attempts to position itself to avoid the window containing the text being checked. When the Lock check-box is checked, the Check-Spelling dialog will always appear at the last place you positioned it.

### Not in dictionary box

Indicates that a misspelled word was detected. The word is considered misspelled because it could not be located in any open dictionaries, or was located in an exclude-type dictionary. Note that the label of this box changes to Consider changing when a word and a suggested replacement are displayed.

### Options button

Causes the Options dialog to be displayed. You can use the Options dialog to set spelling-checker options.

### Suggest button

Search more thoroughly for suggested replacements for the current misspelled word. Each time you press the Suggest button, a “deeper” search is made. The Suggest button is disabled once all possible suggestions have been located.

## Suggestions list

Contains a list of suggested replacements for the word reported as misspelled. This list is filled in automatically when a misspelled word is detected. Subsequent presses of the Suggest button may yield more suggestions. A word selected in this list will be automatically copied to the Change To box, where it can be substituted for the misspelled word by pressing the Change button.

## Dictionary Control Records

The first line of every dictionary begins with a Control Record:

#LID 1033 0 0

^----- This is the total number of dictionary line entries (NOT including the Control Record in line one!!!)

^----- This is the dictionary type code:

0 = Auto-Correct dictionary

1 = Ignore dictionary

2 = Conditional-Correct dictionary

3 = Exclude dictionary

## Configure Toolbar

UltraEdit allows any command available from the menus to be available on the toolbar. It also allows multiple user toolbars to be configured. The toolbar and menu may now be configured by right clicking on the toolbar and selecting customize.

The customize dialog shows a selection on the left of "Commands" or "Toolbars" and these are described below.

## Commands

The commands selection allows the user to configure the toolbar by dragging any commands from the tree/menu structure shown in the dialog to the toolbar. It will not allow the same command to be in the same toolbar multiple times however.

Removing commands from the toolbar is accomplished by dragging the buttons away from the toolbar. The buttons may also be dragged to a new location.

When a command is added to the toolbar it is added with it's text description. You may right click on the button and select the option to show the button without text if this is preferred.

The Custom Buttons show other commands that are not in the menu structure. This includes the "Find String" which is used for search and replace. Currently this should be placed **ONLY** in the main toolbar. It **WILL NOT** function correctly in other toolbars

The commands section also allows modification of the menus. Commands may be dragged from the command list to the menus, or to remove the items from the menu a command should be dragged away from the menu.

## Toolbars

The toolbar selection allows the user to add additional toolbars and to change the appearance of the toolbars. Any toolbar that is added must have at least two items in it. A toolbar with a single item should not be created.

The main configuration dialog includes a Toolbar tab. This is for compatibility with older releases and provides the following items:

## **Use Large Icons On Tool Bar**

If checked, large icons are used on the tool bar. This option is only read at startup.

## ***Key Mapping<sup>†</sup>***

The Key Mapping dialog allows the user to reassign the default key mapping provided by UltraEdit to suit their particular needs.

This dialog shows a list of commands within UltraEdit that may be mapped by the user to a key combination of their choice. Clicking on any of the commands will show the existing key assignment (if any) and the command description below the list.

To add or change a command key assignment:

- 1) Select the command you wish to modify from the Commands list.
- 2) Click the mouse in the Press New Key entry window area, or TAB to give it focus.
- 3) Type the new key assignment just as you would if you were invoking the command - this key combination will be captured and displayed.
- 4) Click on the Assign button and the new key will be assigned to the command. If an existing key is assigned you will be asked if you wish to delete it and replace with the new assignment.

To remove a key assignment:

- 1) Select the command you wish to modify from the Commands list.
- 2) Select the existing key assignment from the Existing keys list.
- 3) Click on the Remove button and the key assignment will be removed.

To reset the key assignments to the default:

- 1) Click on the Defaults button and the key assignments will be reset to the defaults. The user will be prompted to confirm the action.

## **File Containing User Keyboard Mapping**

The keyboard mapping file is stored (and searched for when UltraEdit starts up) in the same directory as the INI File. The filename is the same as the EXE with the .KBD extension, i.e. UEDIT32.KBD.

## ***File Type Configuration Page***

This page allows the list of file types that appear in the File Open and File Save As dialog boxes to be configured. Up to 10 file types may be configured. These file types will be shown in the file operation dialog boxes in the same order they are shown on this page.

---

<sup>†</sup> This feature is only available in the 32-bit version of UltraEdit.



Each file type configured consists of a file name and file description. The file name may (and probably does) include wildcard characters and may include multiple file extensions each separated by a semicolon “;” (i.e. “\*.c;\*.cpp”). The file description is a text field describing the file types.

This dialog also provides a DEFAULT button that resets the file types to the initial settings.

## **File Open dialog box**

The following options allow you to specify which file to open:

### **File Name**

Type or select the filename you want to open. This box lists files with the extension you select in the List Files of Type box.

### **List Files of Type**

Select the type of file you want to open.

### **Drives**

Select the drive in which UltraEdit finds the file that you want to open.

### **Directories**

Select the directory in which UltraEdit finds the file that you want to open.

### **Read Only**

Check this item to open a file in a read-only manner. Modifications will be disabled.

### **Network...**

Choose this button to connect to a network location, assigning it a new drive letter.

UltraEdit allows multiple files to be selected from the file list and opened at one time (Except UltraEdit-32 on Windows NT<sup>†</sup>). To select multiple files, select the first file from the list, then with the CTRL key pressed, select other files in the list. When all files are selected, select OK and the selected files will be opened.

Dragging files from the File Manager into UltraEdit's window and dropping them will also open files. (Releasing the mouse button).

## **File Save As dialog box**

The following options allow you to specify the name and location of the file you're about to save:

### **File Name**

Type a new filename to save a document with a different name. A filename can contain up to eight characters and an extension of up to three characters.

### **Drives**

Select the drive in which you want to store the document.

### **Directories**

Select the directory in which you want to store the document.

### **Network...**

Choose this button to connect to a network location, assigning it a new drive letter.

## ***File Associations<sup>†</sup>***

The File Associations dialog allows the user to associate UltraEdit with selected file types. This dialog shows a list of current associations for UltraEdit, and a list of file types that UltraEdit determines the user may wish to associate with UltraEdit.

The user may add or remove file associations using this dialog.

A file association is used by Windows Explorer to determine which application is to be used to open the file when the file is double clicked or opened in the Explorer.

The list showing UltraEdit Associations shows all file types that are currently associated with UltraEdit. The user may select any item in this list and remove the association with the Delete Button.

To add an association, the user may select an item from the FileTypes/Extensions drop down list or type in a new extension and add it with the Add button. The Description may be modified for any file type that is added.

When an association is added, UltraEdit saves the old association if it exists and restores it if the UltraEdit association is later removed using this dialog.

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<sup>†</sup> The normal operation of Windows NT does not permit the selection of long filenames, and multiple selection from the open dialog. To facilitate both operations, the open dialog box normally allows single selection with long filenames. If however the SHIFT key is pressed while the file open dialog is invoked multiple selections are permitted with short file names.

<sup>†</sup> This feature is only available in the 32-bit version of UltraEdit.

## Directories Configuration Page

The Directories Configuration Page allows the default directories used by UltraEdit to be configured. These options are:

|                         |  |
|-------------------------|--|
| Default Save Directory  | sets the default directory for saving files with the Save As command |
| Macro Default Directory | sets the default directory for loading and saving macros             |
| Template Directory      | sets the directory for template storage                              |

### Default Save Directory

Normally the directory used for the Save As command is the default directory which may vary depending on which directory was last used for a file open and may be any directory.

This may be overridden by specifying the default directory that is always presented when the Save As command is used. This item is specified in the Advanced Directories Configuration page.

If this item is left blank then the default directory is the default directory for the process.

### Default Template Directory

If no directory is defined as the Default Template Directory, templates will be saved in the directory currently in use at the time the template is created. This can cause it to appear that templates are not being saved if the user attempts to access Templates in the Advanced menu after changing directories.

## Chapter 13 Syntax Highlighting Features

This section describes the syntax highlighting features available within UltraEdit and the aspects of user configurability.

The following topics will be covered:

### Selectable Programming Wordfiles

- What is a wordfile?

- Preconfigured Wordfiles

- Alternate Wordfiles Currently Supported:

  - Multiple wordfiles are available at "<http://www.idmcomp.com/downloads/additional.html>" or

  - "<http://www.ultraedit.com/downloads/additional.html>"

### Configuring Languages

- How many languages can I configure?

- What can I change?

- What should not be changed?

### Color Selection

- Selectable colors for up to 10 languages

- Customizable, limited only by platform color settings

- Full Path Name for Wordlist

- Enable Syntax Coloring

  - Configurable string characters for syntax highlighting. This may be up to two characters.

### Delimiters

- What are they?

- What do they do?

- How do I modify them?

- Allowable Characters

### Keywords

- What are they?

- What do they do?

- Modification conditions

- Allowable Characters

### Function Definition Strings

- What are they?

- What do they do?

- How do I modify them?

### Language Specific Indentation

- Indent/Unindent Strings

- How do I modify them?

### Marker Characters

- What are they?

- What do they do?

- How do I modify them?

## ***Syntax Highlighting Configuration Page***

Syntax highlighting is the ability to recognize predefined words and display them in different colors. This is particularly useful for programmers, and can also be useful to other users who may want certain words in a document to show up in a different color.

UltraEdit provides support for twenty languages or word sets that may be recognized. Each word set may be configured to have a different color for the following groups of words:

- Normal Text (Words that are not recognized)

- Words that appear in a comment line, or block comments

- Alternate set of block comments

Strings

Number values (must start with a digit (0-9))

Up to eight groups of different recognized words

The **Configuration Dialog** allows the colors to be selected for the different languages and color groups. This also allows the user to specify the location of the "wordfile" used for highlighting.

For any of the color groups the foreground/text color and the background color may be set. By default the background will revert to the background specified for normal text (Background Color Automatic will be checked). This must be unchecked to activate the background color.

Each color may be changed by clicking on the colored box beside the text description. When clicked, a dialog box will appear that allows the new color to be selected.

**Additionally for each color group (except Normal Text) font styles of Bold, Italic and Underline are available. These may be selected individually for each color group. With some fonts the underline may not always show correctly, and with bold, the spacing may not be correct for non-fixed pitch fonts.**

**The Auto-Correct Keywords checkbox enables or disables the Auto-Correct feature.**

**Note - The highlighting is determined by the file extension (details below). The file extension of the file being modified must be defined in the "wordfile" for one of the languages.**

**Users may configure the predefined words as follows:**

UltraEdit reads a configuration file (the default file is "WORDFILE.TXT"), to configure the syntax highlighting. This file is read each time the editor starts up. The size of this file may be up to 128KB. The syntax for this file is as follows:

## Language Definition

The word set, or language is specified by a /Ln where n has a value of 1 to 20. This must be at the beginning of the line. A description or name of the language may be specified immediately following the /Ln in quotes. This description if present is displayed when setting up the colors for the language. The description may be up to 18 characters.

## Line Comments

The comment characters used for line comments is specified by the string "Line Comment = " followed by the comment characters. Five characters are allowed, if there are less than five then the last character must be followed by a space.

A second set of line comments may be specified by the string "Line Comment Alt = " followed by the comment characters. Three characters are allowed, if there are less than three then the last character must be followed by a space.

As some instances may require that a space is a part of the line comment an alternative method to describe the line comment is available. Using the alternative method, the number of characters used is specified by the user with the following syntax:

"Line Comment Num = xCC "

where x specifies the number of characters (1 to 5) and IMMEDIATELY following are the characters to be used as line comments. In the example above, x would be 3, and the line comment would be CC (note the space after CC).

Additionally, there are times when qualifiers are required for line comments such that the comments are only valid if they occur at certain columns, or after certain characters (more often they are not valid if they follow certain characters). To cater for this, two additional line comment commands are provided:

"Line Comment Preceding Chars = [...]"

and

"Line Comment Valid Columns = [0-7,10]"

The default for "Line Comment Preceding Chars" is that all characters are valid. Therefore this entry would include the characters that are not valid following a tilde character as in ...[~a-z]. This would say that the comment is not valid if it immediately follows a character in the range a-z. Any characters are valid between the brackets.

The default for "Line Comment Valid Columns" is that all columns are valid if this is not defined. If this is defined, then only the columns specified are valid. There can be up to 10 column ranges, or columns specified separated by a comma as in ...[0-7, 10]. This indicates that the comment characters are valid if they occur at columns 0 through 7, or at column 10.

## Block Comments

The characters used for block comments may also be configured (i.e. /\* ... \*/ for C). These are in the form "Block Comment On = " and "Block Comment Off = " followed by up to five characters each that define the comment designators. For compatibility with previous releases, the /\* and \*/ are used for file types that have .C as one of the extensions. This may be overridden. The first character of the block comments may be a space.

If a Block Comment On is defined but the Block Comment Off is not defined the commenting will stop at the end of the line. This effectively allows the block comments to be used as line comments also.

Additionally, a second set of block comments may be defined for languages that require it. This is particularly useful for ASP allowing HTML comments to be maintained with the addition of adding highlighting for ASP blocks.

The second set of block comments are in the form "Block Comment On Alt = " and "Block Comment Off Alt = " followed by up to five characters each that define the comment designators. The first character of the block comments may be a space.

If a Block Comment On Alt is defined but the Block Comment Off Alt is not defined the commenting will stop at the end of the line. This effectively allows the block comments to be used as line comments also.

## File Extensions/Types

Syntax Highlighting is determined either by the name of the file or its extension. More commonly the extension is used and to specify the extensions for which this language is applicable the following string should be used:

"File Extensions = " and each extension is separated by a space.

To specify that a filename is to be used to determine the language the following string should be used:

"File Names = " and each name is separated by a space.

## Color Selection

Color codes may be specified by adding a line with /Cn at the beginning of the line, where n is the color index of 1 to 8. A description or name of the section may be specified immediately following the /Cn in quotes. This description if present is displayed when setting up the colors for the language. The description may be up to 18 characters.

All information specified remains in effect until overridden with new command information.

The following example specifies the first language to be used with files with the extensions 'C', 'CPP', 'H' or 'HPP'. The color used for the words is the first selectable color and the comment characters are //.

```
/L1"C/C++" Line Comment = // Block Comment On = /* Block Comment Off = */ File
Extensions = CPP C H HPP

/C1

auto
break
case char const continue chr$
default do double
```

## Case Sensitivity

If the language is not case sensitive, the keyword Nocase may be added to the command line i.e.:

```
/L1 Line Comment = // Nocase File Extensions = CPP C H HPP
```

## Strings

When using many programming languages characters in single quotes and double quotes are treated as literal strings, and word and comment recognition should be ignored. This is the default behavior for UltraEdit. There are some languages, (i.e. HTML and others) where this behavior is undesirable. To facilitate such languages the keyword "Noquote" may be added to the command line to override the default behavior i.e.:

```
/L1 Noquote File Extensions = HTM
```

UltraEdit also supports configurable characters for quote strings. The default characters for strings are single and double quotes (') and ("). These may be overridden with the keywords "String Chars = " followed by up to two characters. This is only required if you wish to use different characters from the default. If for example you wish to use the double quote only for strings you would have a line similar to the following:

```
/L1"C/C++" Line Comment = // Block Comment On = /* Block Comment Off = */ String
Chars = " File Extensions = CPP C H HPP
```

Note the "String Chars" portion.

Additionally, if you have two characters for the strings defined (or using the defaults) and you wish to have a different color for each type of string, you may now include the character (i.e. double quote) in one of the color groups in a line by itself. This will override the configurable color for the strings that are encapsulated by this character.

```
/L1"C/C++" Line Comment = // Block Comment On = /* Block Comment Off = */ String
Chars = "" File Extensions = CPP C H HPP

/C1

auto
break
```

“  
...  
”

In the above example, all strings that have double quotes (") around them will be colored with the color group C1 while strings with a (') around them will use the default color for strings.

## Escape Character

In many languages there is a special designated character that is referred to as an Escape Character. This is used to override the normal string characters (and other characters). If a string were defined that itself contained a quote character normally used to define the string, the syntax highlighting would interpret this quote as the end of the string. If however this quote character were preceded with an Escape Character the quote character would be appropriately treated as part of the string and not the end of it.

The Escape Character is defined as follows:

/L1"C/C++" Escape Char = \ ...

In this case the Escape character is defined as a backslash.

## Keywords

Note that ALL words starting with the same character may be on the same line or spread across multiple lines, however if they are spread across multiple lines the lines must be one after the other with no empty lines or other lines between them.

If the language is case sensitive, the letter 'A' is different from 'a' and so words starting with 'A' MUST be on a different line from words starting with 'a'. If the language is case insensitive words starting with the letter 'A' must be on the same line as words starting with the letter 'a'.

## Keywords beginning with a Sub String

There are instances in some languages where it is desirable to highlight keywords that begin with a particular sub-string, however the complete word is not known. UltraEdit provides the ability to define sub-strings that are used to determine if a word should be highlighted. If such sub-strings are defined for a particular language under a color group UltraEdit will determine if a word begins with one of the sub-strings. If it does, it will be highlighted accordingly.

The sub-strings should be defined as with any other set of keywords however the line containing the sub-strings should start with "\*\*\* " and all sub-strings should be on the same line as in:

\*\* aaa bbb

The example above would highlight any words beginning with "aaa" or "bbb".

## Words Starting with '/'

As UltraEdit uses '/' as a command character words to be highlighted require special handling. To highlight words beginning with a '/' the line should begin with '// ' followed by the keywords as in:

// /mykeyword /anotherkeyword



## HTML Specific

HTML is considerably different from other languages, and to better facilitate the use of UltraEdit for editing HTML files the "HTML\_LANG" keyword was added. When this keyword is present the special characters '<' and '/' may be placed in front any keyword as desired without all keywords with the special characters all having to be on the same line (unless they all begin with the same letter).

Below is an example portion of a wordfile for HTML:

```
/L3"HTML" Line Comment = // HTML_LANG Block Comment On = <!-- Block Comment
Off = --> File Extensions = HTM HTML

/C1
<A </A> <ADDRESS> </ADDRESS> <APPLET </APPLET>
<B> </B> <BASE <BASEFONT <BG SOUND <BIG> </BIG> <BLINK> </BLINK>
  <BLOCKQUOTE> </BLOCKQUOTE>
<CAPTION> </CAPTION> <CENTER> </CENTER> <CITE> </CITE> <CODE> </CODE>
Additional enhancements for HTML will be added in the future.
```

## FORTRAN Specific

FORTRAN is quite different from other languages regarding comments, and to better facilitate the use of UltraEdit for editing FORTRAN files the "FORTRAN\_LANG" keyword was added. When this keyword is present, UltraEdit treats a 'C', 'c' or '\*' in the first column as a line comment indicator and the rest of the line is highlighted as if it were commented out.

Below is an example portion of a word file for FORTRAN:

```
/L4"Fortran" FORTRAN_LANG File Extensions = FOR FTN
/C1
...
```

Note- any of the normal comment indications may also be used (line comments, block comments).

## LaTeX/Tex Specific

TeX/LaTeX is quite different from other languages and each command starts with a '\'. To better facilitate the use of UltraEdit for editing TeX/LaTeX files the "LATEX\_LANG" keyword was added. When this keyword is present, UltraEdit has special handling for syntax highlighting to allow words to be appropriately handled and highlighted with the '\', and with consecutive words.

This also allows the recognized words to be placed in the wordfile with out all of them being on the same line. If the word begins with '\' then the second character is used to determine which line the word should on. All words beginning with 'a' should be on the same line as other words beginning with 'a' or 'a'. In the same way, all words beginning with 'b' should be on the same line as other words beginning with 'b' or 'b' but on a different line from those starting with 'a' etc.

Below is an example portion of a word file for TeX/LaTeX:

```
/L4"TeX/LaTeX" LATEX_LANG File Extensions = TEX LATEX
/C1
...
```

Note- any of the normal comment indications may also be used (line comments, block comments).

## Delimiters

UltraEdit has built in delimiters that are used to determine when a new word starts, and when a word finishes so that it may be matched against the set of words for a given language. With the exception of the '<' and '>' characters in HTML a character that is a delimiter may not also be part of a word. i.e. you can not say the @ symbol is to be considered part of a word, and it is a delimiter between words. (Future enhancements may allow this).

With release 4.1 and later, UltraEdit allows the delimiter characters to be configurable by the user. For compatibility, the existing delimiters are retained if the user does not specify the delimiters for a given language. Each language may have its own set of delimiters. It is not necessary to configure the delimiters for languages if you are using the defaults.

To specify the delimiters, add a NEW line similar to the following to your wordfile:

```
/Delimiters = ~!@$%^&*()_-=|V{}[]:;'"<> ,.~/7
```

Note that the Delimiters should include a space and a TAB character if you want them to be considered delimiters. The line must begin with "/Delimiters =".

It is possible to assign the delimiter characters to the color sections. If you have a character that is a delimiter, such as a '+', and you wish this to be colored with one of the group colors you may add this character to a line of its own under the color section, and this will be recognized as a delimiter and be highlighted with the appropriate color. A delimiter may be included at the beginning of a keyword and be highlighted accordingly but may not be included in the middle of a keyword. If a "compound" keyword, or a keyword that includes a delimiter character between two sections is desired, the delimiter character would need to be removed from the Delimiters list, or the two portions of the keyword would need to be defined separately to highlight correctly.

## Function Definition Strings

UltraEdit allows the user to show a list of functions in the active document. As the definition of a function may be different for different languages it is necessary to allow this to be configured based on the language.

This is accomplished by modifying the wordfile and defining the string UltraEdit uses for each language. The string will be used by UltraEdit as a Regular Expression search string to find the functions.

**Note - The regular expression string must use UltraEdit style regular expressions. This ensures that the function list will always work irrespective of the regular expression settings.**

Up to six functions strings per language may now be defined allowing more function/procedure formats to be specified.

To specify the function string add a line similar to the following for the specific language:

```
/Function String = "%[a-zA-Z]*")"
```

or

```
/Function String 1 = "..."
```

...

```
/Function String 5 = "..."
```

This string to be searched for MUST be in quotes. If required, you can specify that only part of the resultant string is displayed in the function list. To do this, use the tagged expressions as defined under the Regular Expressions and enclose the portion of the expression that is to be displayed between "^(" and ")" as in:

```
/Function String = "%[a-z]+^(*^))"
```

This example would ignore the first word and display the rest of the line.

## Indentation

UltraEdit provides for automatic indentation based on the specific language to indent a block of code or to out-dent a block of code.

For indentation for a specific language add a line similar to the following line under the particular language section:

```
/Indent Strings = "{"
```

Any number of words may be specified in quotes (each word/string must be in a separate set of quotes ""). For the word to match it must be the LAST non space characters of the line. The indentation is the next TAB stop from the indentation of the preceding line (same as if a TAB key was pressed).

Additionally, there are instances in some languages where the indent string would be at the start of the line, in this case the following syntax should be used, and the string must be the first non-space characters in the line:

```
/Indent Strings SOL = "if"
```

For out-denting for a specific language add a line similar to the following line under the particular language section:

```
/Unindent Strings = "}"
```

Any number of words may be specified in quotes (each word/string must be in a separate set of quotes ""). For the word to match it must be the FIRST non space characters of the line. If the line that contains the string is indented LESS than the preceding line an indentation does not occur, otherwise the matching character/word is out-dented to the preceding TAB stop and the new line is indented to the same point.

For reindenting of files may be undesirable to indent certain lines that are commented out, or compiler directives. This can be avoided by specifying lines that should not be indented. To do this add a line similar to the following to the appropriate language section in the wordfile:

```
/Ignore Strings SOL = "#" "/"
```

Any number of words may be specified in quotes (each word/string must be in a separate set of quotes ""). For the word to match it must be the FIRST character(s) of the line. If a line matches this, it would not be indented, however the indenting of the next line would be performed as if this line was not present.

## Marker Characters

There are times when it is desirable to highlight all characters between two characters. UltraEdit provides for marker characters that mark the first and last part of a string that UltraEdit highlights between. All characters between the two characters are highlighted.

To define marker characters for a specific language add a line similar to the following line under the particular language section:

```
/Marker Characters = "ab"
```

where a is the first character of the string to be highlighted and b is the last character. Note that all characters on a line will be highlighted including spaces. If the line is a comment or string this is ignored.

Additionally, you may define up to 4 pairs of characters to highlight between as in:

```
/Marker Characters = "abcdefgh"
```

where strings starting with 'a' and ending with 'b' are highlighted as are strings starting with 'c' and ending with 'd' etc.

The color of the highlighted string is configurable. To specify the color, add the two characters under the appropriate color section as if they were a word such as "ab", "cd" etc.

The user may modify this file.

## Auto-Correct

If Syntax Highlighting is enabled UltraEdit will automatically (optionally) check each word against the keywords in the wordfile and if the word matches except for the case of the word UltraEdit will correct the word to match the case in the wordfile.

For this to work, the current file must be highlighted with Syntax Highlighting and the language as specified in the wordfile must NOT have the "Nocase" command word specified.

## Chapter 14 Command Line/Invocation Features

This section describes the command line options available within UltraEdit.

The following topics will be covered:

### Command Line Parameters

- Long/short filenames
- File Open Methods
  - Wildcard Characters
  - Lists of Files to open
- Specifying Cursor Position at File Open
- Opening Read-Only Files
- Printing from the Command Line
- Specifying the UltraEdit INI file
- Command line option for line and column
- Invoking macros from the Command Line

### **Command Line Parameters**

UltraEdit supports command line parameters specifying files to be opened. UltraEdit allows multiple files to be specified in the command line. Each of the files specified will be opened when UltraEdit starts up. The filenames on the command line should be separated with a space ( ' '). For long file names, they should be enclosed in quotes "".

Additionally, UltraEdit support two other methods of opening files on the command line:

### **Wildcard characters**

UltraEdit will accept any normal wildcard specification for files to be opened, i.e. "\*.c" will open all files with the ".c" extension.

### **File containing list of files to be opened**

You may specify that the filename on the command line contains a list of files to opened by using a "/f" parameter on the command line. In this case, UltraEdit will read each line of the file on the command line, and attempt to open each file. The file specified on the command line when the "/f" parameter is used must contain only filenames, and each filename must be on a separate line.

UltraEdit accepts an "/r" parameter on the command line to open files in a read-only manner.

When a file is deleted, by default UltraEdit will notify the user the file has been deleted. On occasions it may be desirable not to receive this notification. By adding "/n" to the command line the notification will be disabled for the files that are specified on the command line - this has no effect on files already opened, or files opened after this.

To specify the line and column number at which to position the cursor when the file is opened, the line number and column number should follow the file name immediately separated from the filename by a '/' character follows:

filename/5/2      This opens the file with the cursor positioned at line 5, column 2. The line number may be specified without specifying the column number.

The separator character '/' was a comma in previous releases, however as this is a valid character for filenames it has been changed. If it is preferred to use the comma, or another character the following line may be added to the INI file:

LineColumnChar= ,

where the comma may be any character except colon ':', however UltraEdit will not be able to open a file that contains this character.

Additionally, the command line may include `-lx` or `-cx` following the filename (space separated) where x is the line or column number and this can be after each file name. This is a new method and if used it should be after the file name separated with a space and if the filename is in quotes it should be after the quotes with a space between this and the quotes.

UltraEdit accepts a `/P` or `/p` on the command line. This instructs UltraEdit to print the files that appear on the command line automatically and to exit when the files have been printed.

UltraEdit accepts a `/O1` or `/O0` on the command line. This instructs UltraEdit to force the OEM Character Set to be used if `/O1` is specified, or force it not to be used if `/O0` is specified.

UltraEdit permits the INI file used for UltraEdit settings to be specified by the user. If the command line contains `/I=filename` this is used.

Example: `/i=c:\windows\uedit32.ini`

The filename must follow the `/i=` immediately. It can be a long name with spaces, in which case it must be in quotes.

For more information on the INI settings see INI File Selection.

UltraEdit allows macros to be automatically invoked from the command line with the following syntax added to the command line:

`/M,E,5="full path of macro file/macro name"`

The `/M` specifies the macro command

The `,E` specifies that after execution of the macro, the file should be saved and the editor exit, this is an optional parameter.

The `,5` specifies the number of times the macro should run. This is an optional parameter, and if not present the macro will run once if a file is loaded on the command line. If a file is not specified on the command line the macro will not run unless the number of times is specified.

The macro file name is specified in quotes. Optionally, the name may include a forward slash (/) followed by the name of the macro if the file contains more than one macro. If a macro name is not specified, the first macro in the file will be used.

There are occasions when starting UltraEdit from another application it may be necessary to invoke it with a filename that is already open to position at a specific line or column. In this case `/a` may be added to the command line and if present UltraEdit will NOT show the prompt that asks if the file should be reloaded and changes lost. Without this the user would be asked if the file should be reloaded and changes lost.

Finally, the command line may include `-f` to indicate that UltraEdit should perform a Find in the specified file. This **MUST** be the last parameter on the command line. For added flexibility this parameter will use the parameters specified for the last Find command executed from within UltraEdit, i.e. Match Case, Regular Expressions, etc. The format should be:

`uedit32 c:\temp\test.txt -fdog`

This would cause UltraEdit to open the file "test.txt" and search for the first occurrence of the string "dog" in the file.

## ***DDE Support***

UltraEdit supports the following DDE commands. They are all part of the “System” topic.

Command:

Function:

[open(“filename”)]

Opens the specified file. Following the filename any of the normal command line parameters may be specified for macro running, positioning at line number etc.

[save()]

Saves the active document.

[print(“filename”)]

Print the specified file.

[printto(“filename”, “printername”, “printer driver”, “port”)]      Print the specified file to the specified printer, giving the printer name, printer driver and port.

These commands must be passed exactly as shown.

The following example uses DDE open to open a file and run a macro:

[open(“filename” /M,E,1=“full path of macro file/macro name”)]

## Chapter 15 System Features

### Move command (System menu)

Use this command to display a four-headed arrow so you can move the active window or dialog box with the arrow keys.

Note: This command is unavailable if you maximize the window.

Shortcut Keys:     CTRL+F7

### Next Window command (Document Control menu)

Use this command to switch to the next open document window. UltraEdit determines which window is next according to the order in which you opened the windows.

Shortcut Keys:     CTRL+F6

### Size command (System menu)

Use this command to display a four-headed arrow so you can size the active window with the arrow keys.

After the pointer changes to the four-headed arrow:

1. Press one of the DIRECTION keys (left, right, up, or down arrow key) to move the pointer to the border you want to move.
2. Press a DIRECTION key to move the border.
3. Press ENTER when the window is the size you want.

Note: This command is unavailable if you maximize the window.

Shortcut

Mouse:     Drag the size bars at the corners or edges of the window



## Chapter 16 Window Management Features

This section describes the window management options available within UltraEdit.

The following topics will be covered:

Window Menu Commands

Duplicate windows:

- Opening duplicate windows
- Closing duplicate windows
- Moving between duplicate windows

Cascade:

- How do I cascade windows?
- Why would I cascade windows?

Tile:

- How do I tile windows?
- How do I control the display order of tiled windows?
  - Next/Previous
  - Arrange Icons
  - Close All Files
  - Output Window
  - Show in default browser

World Wide Web Interface:

- Default Browser button/menu item to show current file in the default WWW browser.

Window Configuration:

- Splitter Windows

Status Bar Data

### ***Window Menu Commands***

|                        |   |
|------------------------|---|
| Duplicate Window       | creates a duplicate window that views the same document       |
| Cascade                | arranges windows in an overlapped fashion                     |
| Tile Horizontal        | arranges windows in non-overlapped horizontal tiles           |
| Tile                   | arranges windows in non-overlapped vertical tiles             |
| Next Window            | makes the next window active                                  |
| Previous Window        | makes the previous window active                              |
| Arrange Icons          | arranges icons of closed windows                              |
| Minimize All           | minimizes all open documents                                  |
| Close All Files        | closes all open documents                                     |
| Show File in Browser   | shows active document/file in browser                         |
| Synchronized Scrolling | synchronizes vertical scrolling for all non-minimized windows |
| Window 1, 2, ...       | goes to specified window                                      |

### ***Duplicate Window command***

Use this command to open a new duplicate window with the same contents as the active window. You can open multiple document windows to display different parts or views of a document at the same time. If you change the contents in one window, all other windows containing the same document reflect those changes. When you open a duplicate window, it becomes the active window and is displayed on top of all other open windows.

### ***Cascade command***

Use this command to arrange multiple opened windows in an overlapped fashion.

### ***Tile Horizontal command***

Use this command to vertically arrange multiple opened windows in a non-overlapped fashion.

### ***Tile Vertical command***

Use this command to arrange multiple opened windows side by side.

### ***Next Window command***

Use this command to switch to the next open document window. UltraEdit determines which window is next according to the order in which you opened the windows.

Shortcut Keys:      CTRL+F6

### ***Previous Window command***

Use this command to switch to the previous open document window. UltraEdit determines which window is previous according to the order in which you opened the windows.

Shortcut Keys:      SHIFT+CTRL+F6

### ***Arrange Icons Command***

Use this command to arrange the icons for minimized windows at the bottom of the main window. If there is an open document window at the bottom of the main window, then some or all of the icons may not be visible because they will be underneath this document window.

### ***Close All Files***

Use this command to close all documents currently open in UltraEdit. Any attempts to close documents with unsaved changes will cause UltraEdit to prompt the user with a dialog box asking if changes need to be saved before closing.

Note: If documents that are part of a project are closed using this command, UltraEdit will not automatically reopen these documents upon the next use of the project. If you wish to reopen files upon the next use of the current project, choose a different project and UltraEdit will present a dialog box asking if you wish to close the currently opened files. Files closed in this manner will be reopened when you return to a project.

### **Show File in Browser**

This feature allows the active file to be displayed in the default WWW browser. For this feature to work, the user must have installed a WWW browser and the file types/extensions must be registered in Explorer/File Manager. The file types/extensions used are “.HTML” for the 32-Bit version and “.HTM” for the 16-Bit version.

When selected, UltraEdit creates a temporary copy of the file and invokes the default browser with this file. The temporary file is deleted when the original file is closed, or if the user invokes the browser again with the same file.

### **Synchronized Scrolling**

If this feature is enabled UltraEdit will scroll all windows that are not minimized when any of the windows are scrolled vertically. This allows viewing two (or more) files together without the need to scroll each one individually.

When the user clicks on the vertical scroll bar to provide scrolling, or on the up/down arrows on the vertical scroll bar the windows will be scrolled together.

Additionally if the user uses the Ctrl+Up/Down for scrolling the windows will be scrolled together.

If the user uses the cursor keys to reposition the file the windows will not be scrolled together allowing the user to change position in one file without affecting another file.

Scrolling by dragging the Thumb on the vertical scroll bar will attempt to scroll the windows together, however this method on large files may not keep the files synchronized.

### **1, 2, ... command**

UltraEdit displays a list of currently open document windows at the bottom of the Window menu. A check mark appears in front of the document name of the active window. Choose a document from this list to make its window active.

## Chapter 17 Help Features

This section describes the user help options available within UltraEdit.

The following topics will be covered:

Help Menu Commands

Adding Help Files

### ***Help menu commands***

|               |   |
|---------------|---|
| Index         | offers you an index to topics on which you can get help |
| Add Help File | add additional help files to help menu                  |
| Using Help    | provides general instructions on using help             |
| About         | displays the version number of this application         |

### ***Index command***

Use this command to display the opening screen of Help. From the opening screen, you can jump to step-by-step instructions for using UltraEdit and various types of reference information.

Once you open Help, you can click the Contents button whenever you want to return to the opening screen.

### ***Add Help Files***

This menu item allows Windows help files to be added to the UltraEdit Help menu for direct reference from within the editor.

Up to 5 help files may be added and will appear directly above this item in the help menu. When this item is selected, a dialog box appears that allows the user to enter the help filename and path, or browse for a help file. Additionally, a field exists for the name of the help file that will be used to identify it in the help menu.

If some text is selected within an open document within the editor, the user may press F1 to see a list of user configured help files that may be searched for the selected string. Alternatively, with text selected in an open document, the user may select the appropriate help file from the help menu and that help file will be searched for the corresponding topic that matches the selection.

The topic will be shown if found in the help file. If not, the search dialog with closest match of topics will be shown.

The user help files may be Windows Help files (.HLP) or compiled HTML files (.CHM) files.

### ***Using Help command***

Use this command for instructions about using Help.

### ***About command***

Use this command to display the copyright notice and version number of your copy of UltraEdit.

## Appendix 1 Keyboard Commands

UltraEdit allows the use of keyboard commands for a number of commonly used features. The keyboard commands are listed below:

|                                   |                                |  |
|-----------------------------------|--------------------------------|--|
| <b>F1</b>                         | <u>Help</u>                    | Show UltraEdit help  |
| <b>Shift+F1</b>                   | <u>Context Help</u>            | Invoke the context help command and cursor.  |
| <b>Ctrl+N</b>                     | <u>New</u>                     | Create a new document file   |
| <b>Ctrl+O</b>                     | <u>Open</u>                    | Open an existing document file   |
| <b>Ctrl+Q</b>                     | <u>Quick Open</u>              | Open an existing document allowing entry of name without browse dialog   |
| <b>Ctrl+F4</b>                    | <u>Close</u>                   | Close an existing document file  |
| <b>Ctrl+S</b>                     | <u>Save</u>                    | Save the active document   |
| <b>F12</b>                        | <u>Save As</u>                 | Save the active document as a new file   |
| <b>Ctrl+P</b>                     | <u>Print</u>                   | Print the active document  |
| <b>Ctrl+Z</b>                     | <u>Undo</u>                    | Undo the last action if possible   |
| <b>Ctrl+Y</b> (previously Ctrl+A) | <u>Redo</u>                    | Reverse the last Undo action if possible   |
| <b>Ctrl+X</b>                     | <u>Cut</u>                     | Cut text from the document into the clipboard  |
| <b>Ctrl+C</b>                     | <u>Copy</u>                    | Copy text from the document into the clipboard   |
| <b>Ctrl+V</b>                     | <u>Paste</u>                   | Paste text from the clipboard into the active document   |
| <b>Ctrl+Shift+X</b>               | <u>Cut &amp; Append</u>        | Delete data from the document and move it to the clipboard, appending it to any existing data in the clipboard |
| <b>Ctrl+Shift+C</b>               | <u>Copy &amp; Append</u>       | Copies data from the document to the clipboard, appending it to any existing data in the clipboard             |
| <b>Ctrl+0</b>                     | <u>Windows Clipboard</u>       | Set default Windows clipboard as active clipboard  |
| <b>Ctrl+1</b>                     | <u>User Clipboard 1</u>        | Set User Clipboard 1 as active clipboard   |
| <b>Ctrl+2</b>                     | <u>User Clipboard 2</u>        | Set User Clipboard 2 as active clipboard   |
| <b>Ctrl+3</b>                     | <u>User Clipboard 3</u>        | Set User Clipboard 3 as active clipboard   |
| <b>Ctrl+4</b>                     | <u>User Clipboard 4</u>        | Set User Clipboard 4 as active clipboard   |
| <b>Ctrl+5</b>                     | <u>User Clipboard 5</u>        | Set User Clipboard 5 as active clipboard   |
| <b>Ctrl+6</b>                     | <u>User Clipboard 6</u>        | Set User Clipboard 6 as active clipboard   |
| <b>Ctrl+7</b>                     | <u>User Clipboard 7</u>        | Set User Clipboard 7 as active clipboard   |
| <b>Ctrl+8</b>                     | <u>User Clipboard 8</u>        | Set User Clipboard 8 as active clipboard   |
| <b>Ctrl+9</b>                     | <u>User Clipboard 9</u>        | Set User Clipboard 9 as active clipboard   |
| <b>Ctrl+A</b>                     | <u>Select All</u>              | Select All the text in the active document   |
| <b>Ctrl+J</b>                     | <u>Select Word</u>             | Select the current word (same as <u>double click</u> ).  |
| <b>Ctrl+E</b>                     | <u>Delete Line</u>             | Delete line the cursor is on   |
| <b>Ctrl+F11</b>                   | <u>Delete to Start of Line</u> | Delete from the cursor to start of line  |
| <b>Ctrl+F12</b>                   | <u>Delete to End of Line</u>   | Delete from the cursor to end of line  |
| <b>F7</b>                         | <u>Insert Time/Date</u>        | Insert time/date at cursor   |
| <b>Ctrl+H</b>                     | <u>HEX Edit</u>                | Toggle HEX editing mode  |
| <b>Ctrl+D</b>                     | <u>HEX Insert/Delete</u>       | Insert or delete characters in HEX editing mode  |
| <b>Ctrl+K</b>                     | <u>Spell Check</u>             | Invoke the spelling checker, and check the complete file or selected text                                      |
| <b>Ctrl+W</b>                     | <u>Toggle Word Wrap</u>        | Toggle Word Wrap setting   |
| <b>Alt+F3</b> or <b>Ctrl+F</b>    | <u>Find</u>                    | Find a character string  |
| <b>Ctrl+F3</b>                    | <u>Find Prev</u>               | Repeat last find toward beginning of file  |
| <b>F3</b>                         | <u>Find Next</u>               | Repeat last find toward end of file  |
| <b>Ctrl+R</b>                     | <u>Replace</u>                 | Find and replace a character string with another   |

|                        |                                  |   |
|------------------------|----------------------------------|---|
| <b>Ctrl+B</b>          | <u>Match Brace</u>               | Find matching brace ([, { or }, ],)                             |
| <b>Ctrl+G</b>          | <u>Goto Line/Page</u>            | Goto the specified line (or HEX address)                        |
| <b>Ctrl+F2</b>         | <u>Set Bookmark</u>              | Toggle bookmark on and off                                      |
| <b>F2</b>              | <u>Goto Bookmark</u>             | Goto next bookmark  |
| <b>Alt+F2</b>          | <u>Goto Previous Bookmark</u>    | Goto previous bookmark  |
| <b>F8</b>              | <u>Function List</u>             | Repopulate Function List  |
| <b>Ctrl+U</b>          | <u>File Tree View</u>            | Toggle File Tree View   |
| <b>Ctrl+F8</b>         | <u>Tag List</u>                  | Toggle Tag List   |
| <b>Ctrl+T</b>          | <u>Reformat Paragraph</u>        | Reformat the current paragraph or selected text                 |
| <b>Ctrl+F5</b>         | <u>To Lower Case</u>             | Convert selected text to lower case                             |
| <b>Alt+F5</b>          | <u>To Upper Case</u>             | Convert selected text to Upper case                             |
| <b>F5</b>              | <u>Capitalize</u>                | Capitalize first character of each word in selected text        |
| <b>Shift+F5</b>        | <u>Invert Case</u>               | Invert case of all characters in selected text                  |
| <b>ALT+C</b>           | <u>Column Mode</u>               | Toggle column/block mode on and off                             |
| <b>Ctrl+Backspace</b>  | Delete previous word             | Delete the word preceding the cursor                            |
| <b>Ctrl+Delete</b>     | Delete next word                 | Delete the word following the cursor                            |
| <b>Ctrl+I</b>          | <u>Insert Literal Character</u>  | Insert a literal character at the cursor position               |
| <b>INS</b>             | <u>Insert/Overstrike Mode</u>    | Toggle between Insert and Overstrike mode                       |
| <b>Ctrl+M</b>          | <u>Macro Play</u>                | Replay a macro  |
| <b>Ctrl+L</b>          | <u>Macro Play Multiple Times</u> | Replay a macro the specified number of times                    |
| <b>Ctrl+F6</b>         | <u>Next Window</u>               | Make the next document window active                            |
| <b>Ctrl+Shift+F6</b>   | <u>Previous Window</u>           | Make the previous document window active                        |
| <b>F4</b>              | <u>Toggle Window</u>             | Toggles focus between File Tree View and Edit Window            |
| <b>Alt+F4</b>          | <u>Exit UltraEdit</u>            | Exit UltraEdit  |
| <b>Alt+0-9</b>         | <u>Insert Template0</u>          | Insert user defined template                                    |
| <b>Shift+Alt+0 - 9</b> |                                  |   |
| <b>F9</b>              | <u>DOS Command</u>               | Run DOS Window command  |
| <b>Ctrl+F9</b>         | <u>Last DOS Command</u>          | Repeat last DOS Window command                                  |
| <b>F10</b>             | <u>Run Windows Program</u>       | Execute Windows Program   |
| <b>Ctrl+Shift+A</b>    | Inserts ä character              |   |
| <b>Ctrl+Shift+A</b>    | Inserts Å character              |   |
|                        | (Caps Lock on)                   |   |
| <b>Ctrl+Shift+O</b>    | Inserts ö character              |   |
| <b>Ctrl+Shift+O</b>    | Inserts Ö character              |   |
|                        | (Caps Lock on)                   |   |
| <b>Ctrl+Shift+U</b>    | Inserts ü character              |   |
| <b>Ctrl+Shift+U</b>    | Inserts Ü character              |   |
|                        | (Caps Lock on)                   |   |
| <b>Ctrl+Shift+S</b>    | Inserts ß character              |   |
| <b>Ctrl+Shift+S</b>    | Inserts ß character              |   |
|                        | (Caps Lock on)                   |   |
| <b>Home</b>            | Beginning of Line                | Move cursor to beginning of line                                |
| <b>End</b>             | End of Line                      | Move cursor to end of line                                      |
| <b>Ctrl+Up</b>         | Scroll Up                        | Scroll up one line keeping cursor in view                       |
| <b>Ctrl+Down</b>       | Scroll Down                      | Scroll down one line keeping cursor in view                     |
| <b>Ctrl+Home</b>       | Top of Page                      | Move cursor to first character in file                          |
| <b>Ctrl+End</b>        | Bottom of Page                   | Move cursor to last character in file                           |
| <b>Ctrl+Shift+Up</b>   | Select Text Up                   | Select one line of text while moving cursor up one line         |
| <b>Ctrl+Shift+Dn</b>   | Select Text Down                 | Select one line of text while moving cursor down one line       |
| <b>Shift+Home</b>      | Select to Beginning of Line      | Select all text from cursor position to first character in line |

|  |                       |   |
|--|-----------------------|---|
| <b>Shift+End</b>   | Select to End of Line | Select all text from cursor position to last character in line  |
| <b>Ctrl+Shift+Home</b>                                   | Select to Top of File | Select all text from cursor position to first character in file   |
| <b>Ctrl+Shift+End</b>                                    | Select to End of File | Select all text from cursor position to last character in file  |
| <b>Alt+Right Arrow</b>                                   | Next Paragraph        | Position cursor at first not space character of next paragraph  |
| <b>Alt+Left Arrow</b>                                    | Previous Paragraph    | Position cursor at first not space character of current paragraph (if positioned mid-paragraph) or previous paragraph |
| <b>Alt+Page Up</b>                                       | Top of Window         | Position cursor beginning of first line in of the display   |
| <b>Alt+Page Down</b>                                     | Bottom of Window      | Position cursor beginning of last line in of the display  |
| <b>Alt+'-' (Numeric Keypad '-' only)</b>                 | Scroll to Top         | Position line with cursor at top of window  |
| <b>Alt+'+' (Numeric Keypad '+' only)</b>                 | Scroll to Bottom      | Position line with cursor at bottom of window   |
| <b>Alt+'center' or Alt+'*' (Numeric Keypad '*' only)</b> | Scroll to Center      | Position line with cursor at center of window   |
| <b>Ctrl+'1' (Numeric Keypad '1' only)</b>                | End of previous word  | Position the cursor at the end of the previous word   |
| <b>Ctrl+'2' (Numeric Keypad '2' only)</b>                | End of next word      | Position the cursor at the end of the next word   |
| <b>Ctrl+'-'</b>  | Hide/Show Lines       | Hide/Show selected text   |

## Appendix 2 Regular Expressions

### Regular Expressions (UltraEdit Syntax):

| <u>Symbol</u> | <u>Function</u>  |
|---------------|--|
| %             | Matches the start of line - Indicates the search string must be at the beginning of a line but does not include any line terminator characters in the resulting string selected.   |
| \$            | Matches the end of line - Indicates the search string must be at the end of line but does not include any line terminator characters in the resulting string selected.   |
| ?             | Matches any single character except newline  |
| *             | Matches any number of occurrences of any character except newline  |
| +             | Matches one or more of the preceding character/expression. At least one occurrence of the character must be found.   |
| ++            | Matches the preceding character/expression zero or more times.   |
| ^b            | Matches a page break   |
| ^p            | Matches a newline (CR/LF) (paragraph) (DOS Files)  |
| ^r            | Matches a newline (CR Only) (paragraph) (MAC Files)  |
| ^n            | Matches a newline (LF Only) (paragraph) (UNIX Files)   |
| ^t            | Matches a tab character  |
| [ ]           | Matches any single character, or range in the brackets   |
| ^[A^]{B^}     | Matches expression A OR B  |
| ^             | Overrides the following regular expression character   |
| ^(...^)       | Brackets or tags an expression to use in the replace command. A regular expression may have up to 9 tagged expressions, numbered according to their order in the regular expression. The corresponding replacement expression is ^x, for x in the range 1-9. Example: If ^(h*o^) ^(f*s^) matches "hello folks", ^2 ^1 would replace it with "folks hello". |

Note - ^ refers to the character '^' NOT Control Key + value.

Examples:

m?n matches "man", "men", "min" but not "moon".

t\*t matches "test", "tonight" and "tea time" (the "tea t" portion) but not "tea time" (new line between "tea " and "time").

Te+st matches "test", "teest", "teeeest" etc. but does not match "tst".

[aeiou] matches every vowel

[.,?] matches a literal ",", "." or "?".

[0-9, a-z] matches any digit, or letter

[~0-9] matches any character except a digit (~ means NOT the following)

You may search for an expression A or B as follows:

"^ {John^} ^ {Tom^}"

This will search for an occurrence of John or Tom. There should be nothing between the two expressions.



You may combine A or B and C or D in the same search as follows:

```
"^{John^}^{Tom^} ^{Smith^}^{Jones^}"
```

This will search for John or Tom followed by Smith or Jones.

### ***Regular Expressions (Unix Syntax):***

The table below shows the syntax for the "Unix" style regular expressions.

| <u>Symbol</u> | <u>Function</u>  |
|---------------|--|
| \             | Marks the next character as a special character. "n" matches the character "n". "\n" matches a linefeed or newline character.  |
| ^             | Matches/anchors the beginning of line.   |
| \$            | Matches/anchors the end of line.   |
| *             | Matches the preceding character zero or more times.  |
| +             | Matches the preceding character one or more times.   |
| .             | Matches any single character except a newline character.   |
| (expression)  | Brackets or tags an expression to use in the replace command. A regular expression may have up to 9 tagged expressions, numbered according to their order in the regular expression. |
| [xyz]         | A character set. Matches any characters between brackets.  |
| [^xyz]        | A negative character set. Matches any characters NOT between brackets.   |
| \d            | Matches a digit character. Equivalent to [0-9].  |
| \D            | Matches a nondigit character. Equivalent to [^0-9].  |
| \f            | Matches a form-feed character.   |
| \n            | Matches a linefeed character.  |
| \r            | Matches a carriage return character.   |
| \s            | Matches any white space including space, tab, form-feed, etc but not newline.  |
| \S            | Matches any nonwhite space characters but not newline.   |
| \t            | Matches a tab character.   |
| \v            | Matches a vertical tab character.  |
| \w            | Matches any letter character including underscore.   |
| \W            | Matches any non-letter character.  |

Note - ^ refers to the character '^' NOT Control Key + value.

Examples:

m.n matches "man", "men", "min" but not "moon".

Te+st matches "test", "teest", "teeest" etc. but does not match "tst".

Te\*st matches "test", "teest", "teeest" etc. AND matches "tst".

[aeiou] matches every vowel

[.,?] matches a literal ".", "." or "?".

[0-9, a-z] matches any digit or letter

[^0-9] matches any character except a digit (^ means NOT the following)

You may search for an expression A or B as follows:

"^(John|Tom)

This will search for an occurrence of John or Tom. There should be nothing between the two expressions.

You may combine A or B and C or D in the same search as follows:

"^(John|Tom)(Smith|Jones)"

This will search for John or Tom followed by Smith or Jones.

Additionally:

\p Matches CR/LF (same as \r\n) to match a DOS line terminator

If Regular Expression is not selected for the find/replace and in the Replace field the following special characters are also valid:

| <u>Symbol</u> | <u>Function</u>  |
|---------------|--|
| ^^            | Matches a "^" character  |
| ^s            | Is substituted with the selected (highlighted) text of the active file window. |
| ^c            | Is substituted with the contents of the clipboard.                             |
| ^b            | Matches a page break   |
| ^p            | Matches a newline (CR/LF) (paragraph) (DOS Files)                              |
| ^r            | Matches a newline (CR Only) (paragraph) (MAC Files)                            |
| ^n            | Matches a newline (LF Only) (paragraph) (UNIX Files)                           |
| ^t            | Matches a tab character  |

Note - ^ refers to the character '^' NOT Control Key + value.

## Appendix 3 INI File Selection and Advanced Settings

UltraEdit maintains most of its configuration settings in an INI file. This allows the user to select the INI file to be used under different configurations and allows the user to maintain the settings for UltraEdit when using UltraEdit from different workstations on a Network.

The default INI files used by UltraEdit are ULTRAEDT.INI for UltraEdit and UEDIT32.INI for UltraEdit-32.

**Please Note – INI Settings ARE case sensitive.**

### ***Telling UltraEdit Which INI File to Use***

To override the default behavior, you may use a command line parameter, an environment variable, or add an INI file to the directory containing UltraEdit.

The rules are as follows:

The command line is checked first; if the command line contains "/i=filename" this is used.

Example: /i=c:\windows\uedit32.ini

The filename must follow the /i= immediately. It can be a long name with spaces, in which case it must be in quotes.

If the command line parameter is not found the environment variable is checked. Please note the environment variable specifies the directory that will contain the INI file, NOT the INI filename itself. The environment variable name is UEINIDIR. If this is defined, UltraEdit attempts to use this directory with the default INI file names.

Finally, UltraEdit will look in the directory the EXE file is running from to locate the INI file. If the INI file does not exist here, UltraEdit will check the Windows directory for compatibility with older versions and if it is still not found, the %APPDATA% folder will be used.

### ***Advanced INI Settings***

Additional INI settings have been made available and are currently provided without user interface support -i.e. you cannot use a dialog box or menu function in UltraEdit to change them. These have been provided to support user requests.

**\*\* Please note – Many of these items are now directly available under the "General Tab" of Configuration in the Advanced Menu \*\*\***

These should always be added under the heading [Settings].

#### **AllowZeros = 1**

This setting allows the user to edit files containing NULLS (HEX 00) in text mode without the NULLS being converted to spaces. NULLS are normally considered string terminators and not generally valid in ASCII files. Using this setting may cause some functions not to work past the NULL although this should not effect general editing.

#### **Auto Reformat = 1**

This setting causes the editor to automatically reformat a paragraph after a paste command if the Word-Wrap settings are set to wrap at a specific column number with the insertion of hard returns (CR/LF). UltraEdit defaults to this behavior and setting this value to 0 will disable this feature.

**Caret Char = "some character"**

This setting allows a different character to be used in Find/Replace routines from the caret (^). The character should be in quotes. It is recommended a pipe character (|) or similar uncommon character be used.

**Caret Type = 0,1,2**

This setting determines the type of caret. If set to 0 (default) in Insert Mode the caret will be a vertical bar and in Overstrike Mode the caret will be a block caret. If set to 1 the block caret is disabled. If set to 2 the caret type will be reversed such that in Insert Mode the caret will be a block caret and in Overstrike Mode the caret will be a vertical bar.

**Change Read Only = 1**

This setting determines if changing the read-only status in the Edit Menu should actually change the file attribute. If set to 0 (default) changing the status only changes the internal edit status. If set to 1, changing the status will change the file attribute.

**Column Overstrike =1**

With this setting set to one (1), the column operations operate either in insert mode (as default) or overstrike/overpaste mode based on the insert/overstrike keyboard setting. This is toggled by the Insert Key and shows up on the status bar.

If in the overstrike mode, cut/delete operations will remove the contents but leave spaces so column data is not shifted. Paste operations will paste over the current position data and not shift columns either.

If it is preferred that the overstrike mode is what you require permanently for column mode, you may set the INI value to two (2).

**Compare EXE="fully qualified path of EXE"**

This setting allows the user to specify a different File Compare program to be used in place of the standard utility provided with UltraEdit. If this setting is set, UltraEdit will use this EXE in place of it's own utility. The only command line parameters passed to the utility will be the file names (with paths) of the files to be compared.

**ConvertKBDInput = 1**

This setting instructs UltraEdit to convert the keyboard input from ANSI to OEM if an OEM font is selected. The default setting is not to perform any conversion.

**Create New File = 1**

This setting instructs UltraEdit to create a new file if the file specified to be opened on the command line does not exist. The default setting is to create the new file. Setting this to 0 will cause UltraEdit NOT to create the file.

**Default File Type = 0, 1 or 2**

This setting determines the default file type for NEW files created within UltraEdit. The default (0) is for DOS files. Set this to 1 for UNIX files, or 2 for MAC files.

**Delete Before Save = 1**

This setting instructs UltraEdit to delete the original file before saving it. In a few instances, users have requested this for unusual situations but generally it is not required.

**DisableFlatToolBar = 1**

This setting disables the "Flat" style toolbar for Windows 95 and Windows NT 4.0 and later. If this setting is used, the toolbar will be shown with the raised buttons and separators between buttons.

**DontUseRename = 1**

This setting affects how UltraEdit generates the backup file. The reason for the setting is that on some systems, if UltraEdit renames the original file to the backup the original file when it is recreated does not maintain the file permissions that previously existed.

This setting instructs UltraEdit to copy the original file to the backup and not to rename it. This is slower than renaming it but does preserve the file permissions.

This can also be useful in the case of FTP connections to Operating Systems such as Unix in which filenames are case sensitive. If this setting is used the case of the filename will be preserved. If the file is renamed in UltraEdit mixed case filenames will be changed to a uniform case.

**Html Tidy Config File= "fully qualified filename in quotes"**

This setting specifies the full path and filename of the configuration file to be used by HTML Tidy. Normally this setting is not used and HTML Tidy uses the default configuration.

**Ignore File Delete=1**

This setting instructs UltraEdit not to notify the user when UltraEdit detects a file has been deleted that is open within the editor. If this is not set (default) UltraEdit will notify the user that a file has been deleted if the file change detection is enabled (in Configuration).

**Large File Buffers = 1**

This setting determines if UltraEdit should use larger buffers internally for some of its operations. This can speed up some operations on very large files but is very much hardware dependent.

**Lock File = 1**

This setting causes the editor to keep the lock on any file that is opened. Additionally, if the file is already locked, it allows for open by read-only in this case prompting the user with a dialog box to confirm the open as read-only. This feature prevents modification of a file from outside of the edit session preventing loss of changes made.

**Make Changed Files Active = 1**

This setting sets instructs UltraEdit to make any file it detects as changed and reloads to be the active file. The default setting (0) is not to make the file active.

**Max Columns =**

This setting specifies the maximum columns allowed within UltraEdit before it wraps the line (soft wrap). The default is 4096 columns but a maximum of 20,000 is allowed. Some video drivers have a problem when this is set too high.

**New File = 0**

This setting instructs UltraEdit not to create a new empty document file when it starts up without other files to open. The default setting is to create a new document file if no files are being opened automatically when UltraEdit starts up.

**No Temp Confirm = 0**

This disables the dialog box asking for confirmation when opening a file without a temporary file.

**NoLeftCursorToPrevLine = 1**

This setting causes the editor NOT to move up a line to the previous line if the cursor is at the start of a line and the left arrow key is pressed. The default setting of FALSE causes UltraEdit to allow the cursor to move to the end of the line in this case.

**One Based Ruler = 1**

This setting causes the editor to start the ruler at 1. The default setting of 0 causes UltraEdit to start the ruler at 0.

**Open Link Files = 1**

This setting causes the editor to open the link for modification. The default setting of FALSE causes UltraEdit to expand the link to open the root file.

**Open Maximized = 1**

This setting determines if UltraEdit should always open its main window in a maximized state. The default is for UltraEdit to remember the previous settings. If this setting is set to 1, UltraEdit will open the main window in a maximized state.

**Reload FTP Files = 1**

This setting determines if UltraEdit should reload FTP files when it reloads files for a project/workspace. Typically UltraEdit does not reload FTP files automatically due to the potential time delay in connecting and load the files. Setting this to 1 will ensure UltraEdit treats FTP files as normal files in this regard.

**Show Tag Descriptions = 1**

This setting determines if UltraEdit should show the descriptions for the tags in the Tag List. By default the tags are shown. If this value is set to 0, the tags will not be shown.

## Temp File Dir

This setting allows the user to specify the directory UltraEdit uses for the temporary files it creates while editing. Normally this should not be set but can be used if editing large files and there is not sufficient room in the temp directory for the temporary files UltraEdit creates.

The format is:

Temp File Dir= "directory"

## TitleNameOnly = 0

This setting allows the user to specify that UltraEdit should only display the filename only and not the path in the title bar for the editing window. When set to 0 the filename and path will be displayed (default). When set to 1, only the filename will be displayed.

## UIType = 2

This setting allows the user to specify that UltraEdit should use the "old style" (pre-Version 9) menus and toolbars. The default value for this is 0. To use the old style toolbars and menus set this to a value of 2. This was added primarily for blind users that use screen readers as the newer menus were not compatible with screen readers. This additionally provides better performance when UltraEdit loads. With this setting set to 2, UltraEdit will only support a single toolbar and will not support configurable menus.

### Use DDE Associations = 0

When File Associations are set from within UltraEdit the setting to use DDE is normally set in the registry for the specific file type. On some systems this may cause an error message when the file is double clicked from Explorer. In this case setting Use DDE Associations = 0 may resolve this. The file associations will need to be modified for this to take effect.

## Use Registry = 1

This setting causes the editor to save and retrieve all settings from the Registry. After UltraEdit determines the INI file in use it checks for this value before reading any other values. If this is set, UltraEdit stores all settings in the Registry.

## Appendix 4 Macro Parameters

To modify the macro, commands may be typed directly into the macro edit box or selected from the command list. Commands are not case sensitive but must be spelled exactly as shown in the command list.

The table below shows the commands that may be added any parameters:

| Commands            | Parameters*   | Description  |
|---------------------|---|--|
| "                   |   | Insert text between the quotes (""). The closing quote must be the last non-space character on the line. The characters to be inserted may cross multiple lines. To insert a quote ("), place it as needed in the text being inserted and ensure the last character is also a quote. To insert just one quote character (") the line should look like this:<br><br>" |
|                     |   | To insert a new line, add a line between the open quote and close quote. To insert two lines with 1 and 2 at the beginning of the lines the command should be as follows:<br><br>"1<br>2"  |
| AnsiToOem           |   | Convert ANSI character set to OEM character set.   |
| ASCIIToUnicode      |   | Convert file from ASCII to Unicode.  |
| Bottom              |   | Jump to end of file.   |
| ClearClipboard      |   | Clear the contents of the active clipboard within UltraEdit.   |
| Clipboard           | Clipboard number (0-9)  | Select the specified clipboard – 0 = Windows Clipboard and 1-9 specifies user clipboards.  |
| CloseFile           | Blank (no parameter)<br>Save - forces the file to be saved before closing<br>NoSave - closes the file without prompting if the file should first be saved | Close the active file.   |
| ColumnCenterJustify |   | Center justifies selected columns.   |
| ColumnLeftJustify   |   | Left justifies selected columns.   |
| ColumnRightJustify  |   | Right justifies selected columns.  |
| ColumnModeOff       |   | Turn the column mode off.  |
| ColumnModeOn        |   | Turn the column mode on.   |



|                     |   |  |
|---------------------|---|--|
| ColumnCut           |   | Cut selected columns in column mode.   |
| ColumnDelete        |   | Delete selected columns in column mode.  |
| ColumnInsert        | “”  | Insert string between quotes into selected columns.  |
| ColumnInsertNum     | Start number increment<br>Leading Zero (optionally) | Insert number in selected columns.   |
| Copy                |   | Copy selected text to the clipboard.   |
| CopyAppend          |   | Copy selected text and append it to the clipboard.   |
| CopyFilePath        |   | Copy the active file path/name to the clipboard  |
| Cut                 |   | Cut the selected text from the file to the clipboard.  |
| CutAppend           |   | Cut the selected text from the file and append it to the clipboard.                                  |
| Delete              |   | Delete the selected text.  |
| DeleteLine          |   | Delete the current line.   |
| DeleteToEndofLine   |   | Delete the current line from cursor position to End of Line.   |
| DeleteToStartofLine |   | Delete the current line from cursor position to Start of Line.                                       |
| DosToMac            |   | Convert the file (line terminators) to MAC format.   |
| DosToUnix           |   | Convert the file (line terminators) to UNIX format.  |
| DupeLine            |   | Insert duplicate of active line below cursor.  |
| Else                |   | Else function for an IF... command.  |
|                     |   | IfSel  |
|                     |   | ...  |
|                     |   | Else   |
|                     |   | do these commands if the IfSel failed.   |
|                     |   | Endif  |
| EndIf               |   | Ends the block of instructions controlled by the IfFound/IfNotFound statements.                      |
| EndLoop             |   | End of loop - go back to beginning of the loop - see the Loop command.                               |
| EndSelect           |   | Stop Selecting Text (see Start Select for details).  |
| ExitLoop            |   | Exit loop and go to first command after the loop (after the EndLoop command) - see the Loop command. |
| ExitMacro           |   | Exit Macro without processing any additional commands or returning an error.                         |

|             |   |   |
|-------------|---|---|
| Find        | <p>"" (Search string in quotes)</p> <p>MatchCase - indicates the search is case sensitive (optional)</p> <p>MatchWord - indicates the search string will only match instances that are a complete word (optional)</p> <p>RegExp - Indicates a Regular Expression search (optional)</p> <p>Up - Indicates search in reverse direction (optional)</p>   | Find the string in quotes "" based upon the parameters specified.   |
| FindInFiles | <p>"" (Initial Directory string in quotes)</p> <p>"" (In Files/Types string in quotes)</p> <p>"" (Search string in quotes)</p> <p><b>MatchCase</b> – indicates the search is case sensitive (optional)</p> <p><b>MatchWord</b> - indicates the search string will only match instances that are a complete word (optional)</p> <p><b>OpenFiles</b> - indicates the search should be limited to files currently opened for editing (optional)</p> <p><b>OutputWin</b> - if selected returns output of search to Output Window; if not selected output is returned to a new Edit window (optional)</p> <p><b>PreserveCase</b> - if selected the search only returns strings where the case of the found string exactly matches the specified string (optional)</p> <p><b>ProjFiles</b> - if selected the search is restricted to file specified as part of the active Project (optional)</p> <p><b>Recursive</b> - if selected the search will continue through all subdirectories of the specified search directory (optional)</p> | <p>Searches through specified directories to find the string in quotes "" based on the parameters specified. The format must be as follows:</p> <p>FindInFiles <b>BoldParameters</b> "Initial Directory" "Files/Types" "Search String"</p> <p>for example:</p> <p>FindInFiles OutputWin "c:\temp\test\" "*.html" "home"</p> |

**RegExp** – indicates a Regular Expression search (optional)

**Unicode** - if selected the string entered will be entered as multi-byte and converted to Unicode (optional)

|                    |                               |  |
|--------------------|-------------------------------|--|
| FromEBCDIC         |                               | Convert text from EBCDIC format.   |
| GetString          | prompt                        | Prompts the user for a string that is inserted in the file at the current location. The prompt is the prompt or question that is displayed to the user when the macro is run.<br><br>GetString "Where country do you live in?" |
| GetValue           | prompt                        | Prompts the user for a value that is inserted in the file at the current location. The prompt is the prompt or question that is displayed to the user when the macro is run.<br><br>GetValue "How old are you?"                |
| GotoBookMark       |                               | Jump to the next bookmark.   |
| GotoBookMarkSelect |                               | Jump to the next bookmark and select text from cursor position to bookmark.  |
| GotoLine           | Line number (#)               | Jump to specified line number.   |
| GotoLineSelect     | Line number (#)               | Jump to specified line number and select text from cursor position to line.  |
| GotoPage           | Page number (#)               | Jump to specified page number.   |
| GotoPageSelect     | Page number (#)               | Jump to specified page number and select text from cursor position to page number.   |
| HexDelete          | Number of bytes to delete (#) | Delete the specified number of bytes from the file.  |
| HexInsert          | Number of bytes to insert (#) | Insert the specified number of bytes into the file.  |
| HexOff             |                               | Turn Hex mode off - switch to text mode.   |
| HexOn              |                               | Turn Hex mode on.  |
| HideOrShowLines    |                               | Hide the selected lines, or if hidden, show the lines hidden at the line of the cursor.  |

|          |                       |   |
|----------|-----------------------|---|
| IfCharGt | "character" or number | <p>This checks if the current character at the cursor position is greater than the specified character or number specified. The check against a number is not to check the value of a string but the value of the underlying character.</p> <p>IfCharGt " "</p> <p>... do these commands if the current character is greater than a space</p> <p>....</p> <p>EndIf</p> <p>IfCharIs 32</p> <p>... do these commands if the current character's decimal value is greater than 32 - a space</p> <p>....</p> <p>EndIf</p> |
| IfCharIs | "string" or number    | <p>This checks if the current character at the cursor position is in the specified string, or matches the decimal number.</p> <p>IfCharIs "xyz"</p> <p>... do these commands if the current character is x, y, or z.</p> <p>...</p> <p>EndIf</p> <p>IfCharIs 34</p> <p>... do these commands if the current character is decimal value 34 - a double quote.</p> <p>...</p> <p>EndIf</p>   |
| IfColNum | number                | <p>This checks if the current cursor position is the specific column number.</p> <p>IfColNum 10</p> <p>... do these commands if the current cursor position is column 10. Column 1 is the first column.</p> <p>...</p> <p>EndIf</p>   |

|            |          |  |
|------------|----------|--|
| IfColNumGt | number   | <p>This checks if the current cursor position is greater than the specific column number.</p> <p>IfColNumGt 10</p> <p>... do these commands if the current cursor position is greater than column 10. Column 1 is the first column</p> <p>....</p> <p>EndIf</p>  |
| IfEof      |          | <p>This checks if the current cursor position is at the end of file.</p> <p>IFEof</p> <p>... do these commands if at end of file</p> <p>...</p> <p>EndIf</p>   |
| IfExtIs    | "string" | <p>This checks if the file extension of the active file matches the specified string. If the extension matches, the condition is satisfied and the macro will execute the steps following the IfExtIs statement.</p> <p>IfExtIs "txt"</p> <p>... do these commands if the current file extension is txt.</p> <p>...</p> <p>EndIf</p>   |
| IfFound    |          | <p>This checks the results from the last find command in the macro and will execute the next set of instructions up to an "EndIf" if the last search was successful:</p> <p>Find "something"</p> <p>IfFound</p> <p>... do these commands if "something" was found</p> <p>...</p> <p>EndIf</p> <p><b>NOTE - To avoid a "Not Found" message when running the macro, make sure the "Continue if a Find with Replace Not Found" check box is set for the macro properties.</b></p> |

|                 |          |  |
|-----------------|----------|--|
| IfFTP           |          | <p>This checks if the current file is a file loaded via FTP/SFTP and not a local/network file.</p> <p>IfFTP</p> <p>... do these commands if the file is an FTP loaded file</p> <p>...</p> <p>EndIf</p>   |
| IfNamels        | "string" | <p>This checks if the active filename (not path or extension) matches the specified string. If the name matches, the condition is satisfied and the macro will execute the steps following the IfNamels statement.</p> <p>IfNamels "test"</p> <p>... do these commands if the current filename is test (irrespective of the file extension).</p> <p>...</p> <p>EndIf</p> |
| IfNotFound      |          | <p>This checks the results from the last find command in the macro and will execute the next set of instructions up to an "EndIf" if the last search was NOT successful:</p> <p>Find "something"</p> <p>IfNotFound</p> <p>... do these commands if "something" was NOT found</p> <p>...</p> <p>EndIf</p>   |
| IfSel           |          | <p>This checks if there is currently any selected text within the active file.</p> <p>IfSel</p> <p>... do these commands if "something" is selected</p> <p>...</p> <p>EndIf</p>  |
| InsertLine      |          | Inserts blank line below current cursor position.  |
| InsertMode      |          | Change text editing mode to insert mode for characters typed   |
| InsertPageBreak |          | Inserts a page break character at the current cursor position.   |
| InvertCase      |          | Invert the case of selected text.  |

|                  |   |  |
|------------------|---|--|
| Key              | Backspace<br>Ctrl+<br>DEL<br>DOWN ARROW<br>END<br>HOME<br>LEFT ARROW<br>PGDN<br>PGUP<br>RIGHT ARROW<br>UP ARROW | Insert a key command into the macro. Generally used for navigation in the file and for backspace or delete. The "Ctrl+" modifier may be used as with normal editing to modify the command.<br><br>For text input the "" string command is used, not the Key command. |
| Loop             | x   | Loop x times where x is a number. A value of 0 indicates Loop forever.i.e.<br><br>Loop 10<br>... do these commands 10 times<br><br>...<br>EndLoop  |
| MatchBrace       |   | Find matching brace and select the text between them.  |
| Next Document    |   | Switch to next file tab document.  |
| Next Window      |   | Switch to next window.   |
| NewFile          |   | Create a new document in UltraEdit.  |
| OemToAnsi        |   | Convert OEM character set to ANSI character set.   |
| Open             | File name ("")  | Open the specified file. The Filename must be in quotes.   |
| OverStrikeMode   |   | Change text editing mode to overstrike mode for characters typed.  |
| Paste            |   | Paste the contents of the clipboard into the file.   |
| PlayMacro        | Number of times to play it (#)<br><br>Macro name ("")   | Play another macro. Specify the number of times toplay the macro first, then the macro name. The macro name must be in quotes.   |
| PreviousBookMark |   | Jump to the previous bookmark.   |
| PreviousDocument |   | Switch to previous file tab document.  |
| PreviousWindow   |   | Switch to previous window.   |

|             |  |   |
|-------------|--|---|
| Replace     | All - Replace all occurrences.   | The Replace command replaces the previously found string with the string specified. This command <b>MUST</b> follow a Find command.   |
|             | AllFiles - Replace in all open files (requires All).   | As with the Find string, the replace string must be in quotes. The closing quote must be the last non-space character on the line.  |
|             | Selected Text - Replace in selected text (Requires All).   | The replace string may cross multiple lines however if the last non-space character in any line is a quote it will terminate the string. All special characters permitted by the <u>Replace Command</u> are permitted here. |
|             | Replace String (""") - String to replace the found string.   |   |
| ReplInFiles | "" (Initial Directory string in quotes)  | Searches through specified directories to find the string in quotes "" based on the parameters specified and replace this as specified. The format must be as follows:  |
|             | "" (In Files/Types string in quotes)   |   |
|             | "" (Search string in quotes)   | ReplInFiles BoldParameters "Initial Directory" "Files/Types" "Search String" "Replace String"   |
|             | "" (Replace string in quotes)  | for example:  |
|             | <b>Log</b> – creates a list of changed files (optional)  | ReplInFiles OutputWin "c:\temp\test\" "*.html" "home" "away"  |
|             | <b>MatchCase</b> – indicates the search is case sensitive (optional)   |   |
|             | <b>MatchWord</b> - indicates the search string will only match instances that are a complete word (optional)   |   |
|             | <b>PreserveCase</b> - if selected the search only returns strings where the case of the found string exactly matches the specified string (optional) |   |
|             | <b>Recursive</b> – if selected the search will continue through all subdirectories of the specified search directory (optional)                      |   |
|             | <b>RegExp</b> - indicates a Regular Expression search (optional)   |   |
|             | <b>Unicode</b> - if selected the string entered will be entered as multi-byte and converted to Unicode (optional)                                    |   |



|                 |  |   |
|-----------------|--|---|
| ReturnToWrap    | Column number (#) at which wrap is performed.<br><br>Zero for the column number indicates the wrap is to occur at the window boundary. | Convert the file from hard returns to word wrap.  |
| RunTool         | String in quotes (") specifying the menu name of tool to run   | Run a tool. The tool must be configured from Tool Configuration in the Advanced menu.   |
| Save            |  | Save active file.   |
| SaveAll         |  | Save all open files.  |
| SaveAs          | File name (")  | Save the active file as the filename specified. The Filename must be in quotes. "^\s" may be used in the filename. UltraEdit will replace this with the currently selected text in the active Window. Likewise, "^\c" may be used and UltraEdit will replace this with the contents of the clipboard. |
| SelectAll       |  | Select all text in the current file.  |
| SelectToBottom  |  | Select all text from the current position to the end of file.   |
| SelectToTop     |  | Select all text from the current position to the top of file.   |
| SelectWord      |  | Select the current word (same as double clicking a word).   |
| SortAsc         | IgnoreCase - Ignore case of characters in the sort.  | Sort the file, or selected text in ascending order.   |
|                 | RemoveDup - Remove duplicate lines.  |   |
| SortDes         | IgnoreCase - Ignore case of characters in the sort.<br><br>RemoveDup - Remove duplicate lines.   | Sort the file, or selected text in descending order.  |
| SpacesToTabs    |  | Convert all of the (leading) spaces in a file to tabs.  |
| SpacesToTabsAll |  | Convert all of the spaces in a file to tabs.  |
| StartSelect     |  | Start selection. This turns the selection mode on. Any cursor movement or positioning will be with selection on and the text is selected. EndSelect will stop the selection mode. The selected text will remain selected until another command causes it not to be selected as with normal editing.   |
| TabsToSpaces    |  | Convert all of the Tab characters within a file to spaces.  |
| Template        | Template Number (#)  | Insert the specified template into the file.  |
| TimeDate        |  | Insert the time and date into the file at the current   |

|                    |   |   |
|--------------------|---|---|
| ToCaps             |   | location.   |
| ToEBCDIC           |   | Capitalize each word in the selected text.                                    |
| ToggleBookMark     |   | Convert text to EBCDIC format.  |
| ToLower            |   | Set or remove a bookmark at the current line.                                 |
| Top                |   | Convert the selected text to lower case.                                      |
| ToUpper            |   | Jump to top of file.  |
| TrimTrailingSpaces |   | Convert the selected text to upper case.                                      |
| UnicodeToASCII     |   | Trim trailing spaces from each line of current file.                          |
| UnixMacToDos       |   | Convert file from Unicode to ASCII.   |
| UnixReOff          |   | Convert the active file (line terminators) from Mac/Unix to DOS format.       |
| UnixReOn           |   | Switch regular expressions to UltraEdit style regular expressions (not Unix). |
| WrapToReturn       | Column number (#) at which wrap is performed.                                     | Switch regular expressions to Unix style regular expressions.                 |
|                    | Zero for the column number indicates the wrap is to occur at the window boundary. | Convert the file from word wrap to hard returns.                              |

Where (#) exists in the parameter column a numeric value is to be entered for that parameter. Likewise, where (") exists in the parameter column a string is to be entered between quotes. The text only describes the meaning of the parameter. **All string parameters must be the last parameter.**

## **APPENDIX 5 – Installation and Registration**

### ***Installation Options***

#### **PC/Network Installation**

UltraEdit may be installed either on a workstation or on a network. This option is presented during the installation process. Installation to PC installs the necessary files and sets up the appropriate links.

If a user chooses a network installation rather than a workstation installation, there are two options:

Installation TO a Network copies all files to the network directly but adds no shortcuts or links to the installed files.

Installation FROM a network creates the necessary links and shortcuts to network installed files.

#### **Silent Installation**

Installation of UltraEdit is normally performed by executing the uesetup.exe without any parameters. This leads the user through the installation allowing the user to select the appropriate location and options.

When this is done, a file install.sss is created.

In some cases it may be desired to perform a silent installation of UltraEdit to allow automated unattended installations. This is possible with the following setting:

uesetup /s

Under normal circumstances this will perform a silent install with the default settings. Any files that would be required to be downloaded from the WWW normally should be downloaded and in the same directory as the uesetup.exe file to avoid prompting for WWW download.

To customize a silent install, run the uesetup normally selecting the appropriate install options. After this has been completed, copy the install.sss that is created to the directory containing the uesetup.exe and rename it to uesetup.sss any future silent installs will use this file to specify the install options.

## ***Obtaining Authorization Information***

Users are provided an authorization code upon registration. Users should have 45 days (30 if they tried an earlier version) to evaluate UltraEdit without a code. After this they must register to use it.

When UltraEdit is started the "nag" screen should disappear after several seconds. Do not press the "Enter Authorization" code button until you register.

After the trial period users must register to continue to use UltraEdit.

Registration may be placed by one of the following methods:

SECURE order form at: <http://www.idmcomp.com/registration/index.html> or  
<http://www.ultraedit.com/registration/index.html>

Telephone: (513) 892-8600

FAX: (513) 892-4915

MAIL - send payment/order to:

IDM Computer Solutions, Inc.  
3987 Hamilton Middletown Rd.  
Unit G  
Indian Springs, OH 45011  
USA

E-Mail to [idsm@idmcomp.com](mailto:idsm@idmcomp.com)

Payment may be by one of the following methods:

Credit Card - Visa, MasterCard, American Express

Check/Postal Money Order (Payable in US Dollars drawn on an US Bank Branch)

CompuServe Online registration \*\*\* NOT FOR UPGRADES \*\*\*

(GO SWREG, register ID 2662 (UltraEdit) or ID 4017 (UltraEdit-32))

Cash.

Purchase Order (Not for single upgrades)

## ***Uninstall or Overwrite?***

The suggested option is to overwrite the existing installation of UltraEdit without uninstalling. This will maintain your current INI settings. You will be prompted as to whether or not you wish to overwrite your wordfile. If your wordfile is overwritten and you later wish to use your old wordfile, it will be renamed wordfile.old.

## **APPENDIX 6 – License Agreements**

### ***License Agreement – Unregistered***

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## Index

- Advanced Features, 108
  - Advanced Menu Commands, 108
  - Alternate Capture Method, 114
  - Display/Modify Templates command, 109
    - Special Strings, 109
  - DOS Command, 111
  - Insert Templates Command, 111
  - Run Windows Program, 113
  - Set Code Page/Locale, 109
  - Tools Configuration/Use
    - List Box, 116
    - Requirements, 117
  - Tools Configuration/Use, 114
    - Command Line, 114
    - Command Output, 116
    - Menu Item Name, 115
    - Save Active File, 116
    - Save all files first, 116
    - Windows Program Checkbox, 116
    - Working Directory, 115
- Advanced INI Settings, 171
  - AllowZeros, 171
  - Auto Reformat, 171
  - Caret Char = "some character", 172
  - Caret Type, 172
  - Change Read Only, 172
  - Column Overstrike, 172
  - Compare EXE, 172
  - ConvertKBDInput, 172
  - Create New File, 172
  - Default File Type, 173
  - Delete Before Save, 173
  - DisableFlatToolBar, 173
  - DontUseRename, 173
  - Html Tidy Config File, 173
  - Ignore File Delete, 173
  - Large File Buffers, 173
  - Lock File, 173
  - Make Changed Files Active, 173
  - Max Columns, 174
  - New File, 174
  - No Temp Confirm, 174
  - NoLeftCursorToPrevLine, 174
  - One Based Ruler, 174
  - Open Link Files, 174
  - Open Maximized, 174
  - Reload FTP Files, 174
  - Show Tag Descriptions, 174
  - Temp File Dir, 175
  - FileNameOnly, 175
  - UIType, 175
  - Use DDE Associations, 175
  - Use Registry, 175
- Alternate Capture Method, 114
- ANSI to OEM, 39, 93
- ASCII Table, 86
- ASCII to EBCDIC, 39
- ASCII to Unicode, 40
- ASCII to UTF-8, 40
- Backup, 118, 134, 135
- Carriage Return/Line Feed, 91
- Close All Files command, 29
- Column/Block Editing, 96
- Column/Block Editing Features, 96
  - Center Justify, 100
  - Column Menu Commands, 96
  - Column Mode, 97
  - Convert to Character Delimited, 99
  - Convert to Fixed Column, 98
  - Cut Columns command, 97
  - Delete Columns, 97
  - Insert Number, 98
  - Insert/Fill Columns, 97
  - Left Justify, 99
  - Right Justify, 100
  - Sum Columns/Selection, 98
- Command Line Parameters, 157. *See also* Tools Configuration/Use
  - Wildcard characters, 157
    - lists of files, 157
- Command Line/Invocation Features, 157
  - DDE Support, 159
- Compare Files, 36
- compiler, 112
- Configuration Features, 118
- Cursor Movement
  - Home and End, 21
  - Scrolling
    - horizontal, 22
- Cursor Movement, 21
  - Blocking Text, 23
  - Cursor Arrows, 21
  - Double Click Selections, 23
  - Page Up and Page Down, 21
  - Scrolling, 22
    - vertical, 22
  - Text Selection/Highlighting, 22
- Date/Time, 51
- Display Features, 74
  - Adding Individual Tag Lists, 82
  - ASCII Table, 86
  - Creating Custom Tag Lists, 81
  - Display Line Numbers, 86
  - Display Ruler, 86
  - File Tree View**, 79
    - Common, 79
    - Open Files, 79
    - Project Files/Drive, 79
  - Full Screen Mode, 88
  - Function List, 80
  - Hide/Show Lines, 87
  - Increase/Decrease Font Size, 84



- Insert/Overstrike Modes, 77
- Line Spacing, 86
- Macro List, 80
- Mirror Display Font, 83
- No Scroll Left Side of Marker 1, 85
- OEM Character Set, 84
- Open File Tabs, 78
- Output Window, 82
- Replacing the Default Tag List, 82
- Reset Fonts, 84
- Saving the Hidden Lines, 88
- Set Colors, 84
- Set Column Markers, 85
- Set Font, 83
  - Font dialog box, 83
- Set HEX/Column Mode Font, 83
- Set Printer Font, 84
- Show Column Marker 1/2, 85
- Show Spaces/Tabs, 85
- Status Bar command, 76
- Tag List, 80
- Tag List Modify, 80
- Toolbar command, 76
- View as (Highlighting File Type) command, 76
- View Menu Commands, 75
- Display/Modify Templates command
  - Special Strings
    - Date, 110
    - Time, 110
- DOS Command, 111
- DOS to MAC, 39
- DOS to UNIX, 39
- EBCDIC to ASCII, 39
- Edit Features, 48
  - Comment Add/Remove, 52
  - Copy command, 49
  - Cut command, 49
  - Delete, 50
  - Delete Line, 50
  - Delete to End of Line, 50
  - Delete to Start of Line, 51
  - Duplicate Line, 51
  - Edit Menu Commands, 48
  - Insert Color, 52
  - Insert Date/Time, 51
  - Insert Line, 51
  - Multiple Clipboards, 50
  - Paste command, 50
  - Read Only Command, 51
  - Redo command, 49
  - Right Mouse Button Commands, 52
  - Select All command, 50
  - Select Line command, 50
  - Select Range, 50
  - Spelling Checker, 51
  - Undo command, 49
  - Word Wrap Command, 51
- Edit Menu Commands, 48
- File Conversion
  - ANSI to OEM, 39
  - ASCII to EBCDIC, 39
  - ASCII to Unicode, 40
  - ASCII to UTF-8, 40
  - DOS to MAC, 39
  - DOS to UNIX, 39
  - Unicode to ASCII, 40
  - Unicode/ASCII/UTF-8 to UTF-8, 41
  - Unicode/UTF-8 to UTF-8, 40
  - UNIX/MAC to DOS, 39
  - UTF-8 to ASCII, 40
  - UTF-8 to Unicode, 40
- File Management, 25
  - Advanced Sort and Options, 37
    - Ignore Case, 38
    - Remove Duplicates, 38
    - Sort Columns, 38
    - Sort Order, 37
    - Use Locale, 38
  - Case Sensitive File Names, 36
  - Close command, 29
  - Compare Files, 36
    - Differences in color, 36
    - Differences Side-by-Side, 37
    - Ignore Blanks, 37
    - Only Show Lines That Differ, 37
    - Saving/Printing Output, 37
  - Delete Active File command, 41
  - Exit command, 47
  - Favorite Files
    - +All Open Files, 47
  - Favorite Files, 46
    - Add Active File, 47
    - Add Directory, 47
    - Add File, 46
    - Close, 46
    - Open, 46
    - Remove File, 47
  - File Conversion, 39
  - FTP, 30
    - FTP Accounts, 30
    - FTP Accounts - Advanced, 31
    - Open from FTP, 33
      - Create Dir, 33
      - Delete, 34
      - Permissions, 33
      - Refresh, 33
      - Rename, 34
      - Show Log, 34
      - Transfer Type, 34
    - Save As to FTP, 34
      - Create Dir, 35
      - Delete, 35
      - Permissions, 35
      - Refresh, 35
      - Rename, 35
  - Insert File, 41
  - Insert String at Every Increment, 42
    - End Point, 42
    - Start Point, 42
  - Large file handling, 41
  - Make Copy/Backup, 36
  - New command, 28

- Open command, 28
  - File Open Dialog Box, 28
- Page Setup, 43
  - Page Break Character, 45
  - Page Margins, 45
  - Print 2 Pages on 1 Sheet, 45
  - Print Line Numbers, 45
  - Print Syntax Highlighting, 45
  - Wrap Text When Printing, 45
- Print Setup, 45
  - Network, 46
  - Options, 46
  - Orientation, 46
  - Paper Size, 46
  - Paper Source, 46
  - Print Setup Dialog Box, 46
  - Printer, 46
- Quick Open command, 29
- Recent Files, 47
- Recent Projects/Workspaces, 47
- Rename File, 36
- Save All command, 35
- Save As command, 35
- Save command, 35
- Save Selection As command, 36
- Send Mail command, 41
- Using File Tabs, 78
- File Menu Commands, 26
- File Tabs, 78
- Find command, 58
- Font, 83
- Format Features, 89
  - Add Indents, 94
  - ANSI to OEM, 93
  - Capitalize, 93
  - Convert CR/LF's to Wrap, 91
  - Convert Wrap to CR/LF's, 91
  - Format Menu Commands, 89
  - HTML Tidy, 94
  - Insert Page Break, 94
  - Invert Case, 93
  - OEM to ANSI, 93
  - Paragraph Formatting, 90
  - Reformat Paragraph command, 90
  - Reindent File, 95
  - Remove Indents, 94
  - Spaces to Tabs (All), 92
  - Spaces to Tabs (Leading), 92
  - Tabs to Spaces, 92
  - To Lower Case, 93
  - To Upper Case, 93
  - Trim Trailing Spaces, 93
- Format Menu Commands, 89
- FTP, 30
- General Configuration Page, 119
  - Advanced/Problem Solving, 129
  - Allow Multiple Instances, 120
  - Backup Configuration Page
    - Automatic Backup, 135
    - Backup Files on Save, 134
    - Default Backup Directory, 135
  - Backup Configuration Page, 134
  - Create new EDIT file when opening with no other files, 123
  - Delimiter character for line/column designator on command line, 121
  - Directories Configuration Page
    - Default Save Directory, 147
    - Default Template Directory, 147
  - Directories Configuration Page, 147
  - Display, 125
  - Edit Configuration Page, 131
    - Auto-Completion, 132
    - Automatic Line Indentation, 131
    - Disable Drag & Drop, 131
    - Tab Settings, 132
    - Tab/Word Wrap Change List, 132
    - Word Wrap command, 133
  - Editing, 126
  - File Associations, 146
  - File Handling Items, 121
  - File Type Configuration Page, 144
    - File Open dialog box, 145
    - File Save As dialog box, 146
  - Find, 128
  - Find Configuration Page, 133
    - Continue Search at End of File, 134
    - Show Slim Find Dialog, 134
  - Key Mapping Configuration Page, 144
    - File Containing User Keyboard Mapping, 144
  - Load/Save/Conversions, 123
  - Project Menu on Main Menu, 120
  - Recent files list on File Menu, 120
  - Save Bookmarks, 121
  - Spell Checker Configuration
    - Check Spelling Dialog, 141
    - Dictionaries Dialog, 137
    - Dictionary Control Records, 143
    - New Dictionary Dialog, 140
    - Options Dialog, 136
  - Spell Checker Options, 135
  - Syntax Highlighting Configuration Page, 148
    - Auto-Correct, 156
    - Block Comments, 150
    - Case Sensitivity, 151
    - Color Selection, 151
    - Delimiters, 154
    - Escape Character, 152
    - File Extensions/Types, 150
    - FORTTRAN Specific, 153
    - Function Definition Strings, 154
    - HTML Specific, 153
    - Indentation, 155
    - Keywords, 152
    - Keywords beginning with a Substring, 152
    - Language Definition, 149
    - LaTeX/Tex Specific, 153
    - Line Comments, 149
    - Marker Characters, 156
    - Strings, 151
    - Words Starting with /, 153
- Toolbar Configuration Page, 143

- Help Features, 164
  - About command, 164
  - Add Help Files, 164
  - Help menu commands, 164
  - Index command, 164
  - Using Help command, 164
- Hex Editing Features, 54
  - Hex Copy Selected View, 56
  - Hex Insert/Delete, 55
  - Hex Mode Editing, 54
  - Hex/EBCDIC Mode Editing, 55
- Hex Mode – Line Terminators, 55
- Hex Mode Detection, 55
- Hex Mode Editing. *See* Hex Editing Features
- Highlighting, 148
- INI File Selection, 171
- Insert Templates command, 111
- Installation and Registration, 187
- Key Mapping, 144
- Keyboard Commands, 165
- License Agreements, 189
  - Registered, 190
  - Unregistered, 189
- list box, 61, 116
- Macro Features, 101
  - Delete All, 104
  - Delete Macro/Modify Hot Key, 105
  - Edit Macro, 102
    - Commands, 103
    - Creating a New Macro, 103
    - Modifying an Existing Macro, 103
    - Parameters, 103
  - Load, 102
  - Load and Append to Existing, 102
  - Macro Definition Dialog, 104
  - Macro Menu Commands, 101
  - Playback, 107
  - Playback Multiple Times, 107
  - Quick Record, 106
  - Record, 105
    - Notes for Recording Macros, 105
  - Save All, 102
  - Set Auto Load, 102
  - Set Macro for File Load/Save, 103
  - Stop Recording, 106
  - Warn on Exit if Macro Not Saved, 107
- Macro Parameters, 176
- Obtaining Authorization Information, 188
- Output Window, 61, 116, 161
- PC/Network Installation, 187
- Print All Files command, 42
- Print command, 42
- Print Preview command, 42
- Print Preview Toolbar, 43
- Project Features, 70
  - Close Project command, 71
  - Create CTAG File on Project Load, 73
- Files, 71
  - Add Active File, 72
  - Add File, 72
  - Add Folder, 72
  - All Open Files, 72
  - Close, 72
  - Filter, 72
  - New Group, 72
  - Open, 72
  - Remove Item, 72
  - Update, 72
- Include sub folders when adding folder, 73
- New Project command, 70
  - Project, 71
  - Workspace, 71
- Open Project command, 71
- Optional CTAG File, 73
- Optional Wordfile, 73
- Project Menu Commands, 70
- Redo, 49
- Regular Expressions (UltraEdit Syntax);, 168
- Regular Expressions (Unix Syntax), 169
- Replace command, 62
- Revert to Saved, 35
- Search Features, 57
  - Back/Forward, 69
  - Bookmarks, 66
  - Character Properties, 69
  - Continue Search at End of File, 61
  - CTAGS Support, 68
    - Creating the Tag File, 68
    - Ctags Configuration within UltraEdit, 68
    - Ctags EXE, 68
    - Finding a Symbol/Tag, 69
- Find command, 58
  - ASCII, 60
  - Match Case, 59
  - Match Whole Word Only, 59
  - Search Direction, 59
- Find Command
  - List Lines Containing String, 59
- Find in Files command
  - Unicode Search, 61
- Find in Files command
  - Match Case, 60
  - Match Whole Word Only, 60
  - Regular Expressions, 61
  - Results to Edit Window, 61
  - Search Subdirectories, 61
- Find in Files Command
  - Search In, 60
    - Files Listed, 60
    - Project Files, 60
- Find In Files command, 60
- Find In Files Command
  - Search In
    - Open Files, 60
- Find Next command, 61
- Find Previous command, 61
- Function List, 67
- Goto Line/Page, 66
- Incremental Search, 69
- Match Brace, 65
- Replace command, 62
  - ASCII, 64

- Find Next, 62
- Match Case, 63
- Regular Expressions, 62
- Replace, 62
- Replace All, 63
- Replace All in All the Open Files, 63
- Replace All Within the Selected Text, 63
- Replace in Current File, 63
- Replace Command
  - Preserve Case, 63
- Replace in Files command
  - List Changed Files, 65
  - Match Case, 64
  - Match Whole Word Only, 65
  - Regular Expressions, 65
  - Search Subdirectories, 65
  - Unicode Search, 65
- Replace In Files command, 64
- Word Count, 67
- Search Menu Commands, 58
- Silent Installation, 187
- Sort, 37
- Special Character Summary, 59
- Spell Checker, 135
- Status Bar, 76
- Syntax Highlighting, 45, 84, 119, 148
- Syntax Highlighting Features, 148
- System Features, 160
  - Move command, 160
  - Next Window command, 160
  - Size command, 160
- Tag List, 80
- Tag List Modify, 80
- Telling UltraEdit Which INI File to Use, 171
- Templates and Macros, 105
- Text Input
  - Drag and Drop Editing, 20
  - Drag and Drop Files, 21
  - Insert/Overstrike Modes, 20
  - Inserting Special Characters, 20
- Text Input and Cursor Movement, 20
- Tile windows, 162
- Toolbar, 76
- Undo, 49
- Unicode and UTF-8 Support, 23
- Unicode to ASCII, 40
- Unicode/ASCII/UTF-8 to UTF-8, 41
- Unicode/UTF-8 to UTF-8, 40
- Uninstall or Overwrite?, 188
- UTF-8 to ASCII, 40
- UTF-8 to Unicode, 40
- View Menu Commands, 75
- Window Management Features, 161
  - 1,2,... command, 163
  - Arrange Icons command, 162
  - Cascade command, 162
  - Close All Files command, 162
  - Duplicate Window command, 162
  - Next Window command, 162
  - Previous Window command, 162
  - Show File in Browser command, 163
  - Synchronized Scrolling, 163
  - Tile Horizontal command, 162
  - Tile Vertical command, 162
  - Window Menu Commands, 161
- Working with Wide Files, 52

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