

Customizing Word for Touch-Typists

The following macros for Microsoft Word for Windows, Ver. 6.0, allow the emulation of the deservedly popular Wordstar control-key codes for editing. The advantage of this interface is that touch typists can accomplish the most common editing tasks without ever setting their eyes on the keyboard or touching a mouse. In order to prevent this interface from taking away the power of the Word interface, it is recommended that two icons be placed on the toolbar: one to run the macro "Wordstar" and the other to run the macro "Unwordstar" so that switching between the two is easily performed. This works best if you have a Northgate keyboard (or some model that has the control key beside the A (where God intended it to be). The following commands are implemented (some not exactly as in Wordstar):

Cursor Movement:

^S : move 1 space right
^D : move 1 space left
^E : move 1 space up
^X : move 1 space down

^F : move 1 word right
^A : move 1 word left
^R : move up 1 screen
^C : move down 1 screen

^W : scroll text down 1 line
^Z : scroll text up 1 line

^Q^S : move to start of line
^Q^D : move to end of line
^Q^R : move to start of file
^Q^C : move to end of file

Deleting Text:

^G : delete space to right
^H : delete space to left
^T : delete word to right
^Y : delete line

^Q^Y : delete to end of line
^Q^DEL : delete to start of line

^U : unerase
^V : insert mode

^Q^F : find
^Q^A : find and replace
^L : find next

File Operations:

^K^S : save file
^K^Q : quit without saving

^K^X : save and quit file

Block Operations:

^K^B : mark start of block
^K^K : mark end of block
^K^C : copy block
^K^V : move block
^K^Y : delete block

Character Styles:

^P^B : bold type
^P^I : italic
^P^S : underline
^P^T : superscript
^P^V : subscript
^P^X : strikethrough
^P^P : pagebreak

Macro "Wordstar"

Sub MAIN

REM Macro to remap keys for the Wordstar Diamond

```
ToolsCustomizeKeyboard .Name = "CharLeft", .KeyCode = 339, .Add ^S
ToolsCustomizeKeyboard .Name = "CharRight", .KeyCode = 324, .Add ^D
ToolsCustomizeKeyboard .Name = "LineUp", .KeyCode = 325, .Add ^E
ToolsCustomizeKeyboard .Name = "LineDown", .KeyCode = 344, .Add ^X

ToolsCustomizeKeyboard .Name = "WordLeft", .KeyCode = 321, .Add ^F
ToolsCustomizeKeyboard .Name = "WordRight", .KeyCode = 326, .Add ^A
ToolsCustomizeKeyboard .Name = "PageUp", .KeyCode = 338, .Add ^R
ToolsCustomizeKeyboard .Name = "PageDown", .KeyCode = 323, .Add ^C

ToolsCustomizeKeyboard .Name = "ScrollUp", .KeyCode = 343, .Add ^W
ToolsCustomizeKeyboard .Name = "ScrollDown", .KeyCode = 346, .Add ^Z

ToolsCustomizeKeyboard .Name = "BSKey", .KeyCode = 328, .Category = 2, .Add ^H
ToolsCustomizeKeyboard .Name = "DelKey", .KeyCode = 327, .Category = 2, .Add ^G
ToolsCustomizeKeyboard .Name = "DeleteWord", .KeyCode = 340, .Add ^T
ToolsCustomizeKeyboard .Name = "DelLine", .KeyCode = 345, .Category = 2, .Add ^Y

ToolsCustomizeKeyboard .Name = "RepeatFind", .KeyCode = 332, .Add ^L
ToolsCustomizeKeyboard .Name = "EditUndo", .KeyCode = 341, .Add ^U
ToolsCustomizeKeyboard .Name = "OverType", .KeyCode = 342, .Add ^V
ToolsCustomizeKeyboard .Name = "WordstarHelp", .KeyCode = 330, .Category = 2, .Add ^J

ToolsCustomizeKeyboard .Name = "StartOfLine", .KeyCode = 337, .KeyCode2 = 83, .Add ^Q^S
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ToolsCustomizeKeyboard .Name = "EndOfLine", .KeyCode = 337, .KeyCode2 = 68, .Add ^Q^D
ToolsCustomizeKeyboard .Name = "StartOfDocument", .KeyCode = 337, .KeyCode2 = 82, .Add ^Q^R
ToolsCustomizeKeyboard .Name = "EndOfDocument", .KeyCode = 337, .KeyCode2 = 67, .Add ^Q^C

ToolsCustomizeKeyboard .Name = "EditFind", .KeyCode = 337, .KeyCode2 = 70, .Add ^Q^F
ToolsCustomizeKeyboard .Name = "EditReplace", .KeyCode = 337, .KeyCode2 = 65, .Add ^Q^A

ToolsCustomizeKeyboard .Name = "DelToEOL", .KeyCode = 337, .KeyCode2 = 89, .Category = 2, .Add ^Q^Y
ToolsCustomizeKeyboard .Name = "DelToBOL", .KeyCode = 337, .KeyCode2 = 46, .Category = 2, .Add ^Q^DEL

ToolsCustomizeKeyboard .Name = "FileSave", .KeyCode = 331, .KeyCode2 = 83, .Add ^K^S
ToolsCustomizeKeyboard .Name = "FileClose", .KeyCode = 331, .KeyCode2 = 81, .Add ^K^Q
ToolsCustomizeKeyboard .Name = "FileClose", .KeyCode = 331, .KeyCode2 = 88, .Add ^K^X

ToolsCustomizeKeyboard .Name = "ExtendSelection", .KeyCode = 331, .KeyCode2 = 66, .Add ^K^B
ToolsCustomizeKeyboard .Name = "EndBlock", .KeyCode = 331, .KeyCode2 = 75, .Add, .Category = 2 ^K^K
ToolsCustomizeKeyboard .Name = "EditPaste", .KeyCode = 331, .KeyCode2 = 67, .Add ^K^C
ToolsCustomizeKeyboard .Name = "EditPaste", .KeyCode = 331, .KeyCode2 = 86, .Add ^K^V
ToolsCustomizeKeyboard .Name = "EditClear", .KeyCode = 331, .KeyCode2 = 89, .Add ^K^Y

ToolsCustomizeKeyboard .Name = "Bold", .KeyCode = 336, .KeyCode2 = 66, .Add ^P^B
ToolsCustomizeKeyboard .Name = "Italic", .KeyCode = 336, .KeyCode2 = 73, .Add ^P^I
ToolsCustomizeKeyboard .Name = "Underline", .KeyCode = 336, .KeyCode2 = 83, .Add ^P^U
ToolsCustomizeKeyboard .Name = "SuperScript", .KeyCode = 336, .KeyCode2 = 84, .Add ^P^T
ToolsCustomizeKeyboard .Name = "SubScript", .KeyCode = 336, .KeyCode2 = 86, .Add ^P^V
ToolsCustomizeKeyboard .Name = "StrikeThrough", .KeyCode = 336, .KeyCode2 = 88, .Add ^P^X

ToolsCustomizeKeyboard .Name = "InsertPageBreak", .KeyCode = 336, .KeyCode2 = 80, .Add ^P^P

End Sub

Macro "Unwordstar"

Sub MAIN

REM Macro to undo the remapping of keys for the Wordstar Diamond

ToolsCustomizeKeyboard .Name = "CharLeft", .KeyCode = 339, .Remove
ToolsCustomizeKeyboard .Name = "CharRight", .KeyCode = 324, .Remove
ToolsCustomizeKeyboard .Name = "LineUp", .KeyCode = 325, .Remove
ToolsCustomizeKeyboard .Name = "LineDown", .KeyCode = 344, .Remove

ToolsCustomizeKeyboard .Name = "WordLeft", .KeyCode = 321, .Remove
ToolsCustomizeKeyboard .Name = "WordRight", .KeyCode = 326, .Remove
ToolsCustomizeKeyboard .Name = "PageUp", .KeyCode = 338, .Remove
ToolsCustomizeKeyboard .Name = "PageDown", .KeyCode = 323, .Remove

ToolsCustomizeKeyboard .Name = "ScrollUp", .KeyCode = 343, .Remove
ToolsCustomizeKeyboard .Name = "ScrollDown", .KeyCode = 346, .Remove

ToolsCustomizeKeyboard .Name = "BSKey", .KeyCode = 328, .Category = 2, .Remove
ToolsCustomizeKeyboard .Name = "DelKey", .KeyCode = 327, .Category = 2, .Remove
ToolsCustomizeKeyboard .Name = "DeleteWord", .KeyCode = 340, .Remove
ToolsCustomizeKeyboard .Name = "DelLine", .KeyCode = 345, .Category = 2, .Remove

ToolsCustomizeKeyboard .Name = "RepeatFind", .KeyCode = 332, .Remove
ToolsCustomizeKeyboard .Name = "EditUndo", .KeyCode = 341, .Remove
ToolsCustomizeKeyboard .Name = "OverType", .KeyCode = 342, .Remove
ToolsCustomizeKeyboard .Name = "WordstarHelp", .KeyCode = 330, .Category = 2, .Remove

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ToolsCustomizeKeyboard .Name = "StartOfLine", .KeyCode = 337, .KeyCode2 = 83, .Remove
ToolsCustomizeKeyboard .Name = "EndOfLine", .KeyCode = 337, .KeyCode2 = 68, .Remove
ToolsCustomizeKeyboard .Name = "StartOfDocument", .KeyCode = 337, .KeyCode2 = 82, .Remove
ToolsCustomizeKeyboard .Name = "EndOfDocument", .KeyCode = 337, .KeyCode2 = 67, .Remove

ToolsCustomizeKeyboard .Name = "EditFind", .KeyCode = 337, .KeyCode2 = 70, .Remove
ToolsCustomizeKeyboard .Name = "EditReplace", .KeyCode = 337, .KeyCode2 = 65, .Remove

ToolsCustomizeKeyboard .Name = "DelToEOL", .KeyCode = 337, .KeyCode2 = 89, .Category = 2, .Remove
ToolsCustomizeKeyboard .Name = "DelToBOL", .KeyCode = 337, .KeyCode2 = 46, .Category = 2, .Remove

ToolsCustomizeKeyboard .Name = "FileSave", .KeyCode = 331, .KeyCode2 = 83, .Remove
ToolsCustomizeKeyboard .Name = "FileClose", .KeyCode = 331, .KeyCode2 = 81, .Remove
ToolsCustomizeKeyboard .Name = "FileClose", .KeyCode = 331, .KeyCode2 = 88, .Remove

ToolsCustomizeKeyboard .Name = "ExtendSelection", .KeyCode = 331, .KeyCode2 = 66, .Remove
ToolsCustomizeKeyboard .Name = "EndBlock", .KeyCode = 331, .KeyCode2 = 75, .Remove, .Category = 2
ToolsCustomizeKeyboard .Name = "EditPaste", .KeyCode = 331, .KeyCode2 = 67, .Remove
ToolsCustomizeKeyboard .Name = "EditPaste", .KeyCode = 331, .KeyCode2 = 86, .Remove
ToolsCustomizeKeyboard .Name = "EditClear", .KeyCode = 331, .KeyCode2 = 89, .Remove

ToolsCustomizeKeyboard .Name = "Bold", .KeyCode = 336, .KeyCode2 = 66, .Remove
ToolsCustomizeKeyboard .Name = "Italic", .KeyCode = 336, .KeyCode2 = 73, .Remove
ToolsCustomizeKeyboard .Name = "Underline", .KeyCode = 336, .KeyCode2 = 83, .Remove
ToolsCustomizeKeyboard .Name = "SuperScript", .KeyCode = 336, .KeyCode2 = 84, .Remove
ToolsCustomizeKeyboard .Name = "SubScript", .KeyCode = 336, .KeyCode2 = 86, .Remove
ToolsCustomizeKeyboard .Name = "StrikeThrough", .KeyCode = 336, .KeyCode2 = 88, .Remove

ToolsCustomizeKeyboard .Name = "InsertPageBreak", .KeyCode = 336, .KeyCode2 = 80, .Remove

End Sub

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Macro "BSKey"

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Sub MAIN
EditClear -1
End Sub

```

Macro "DelKey"

```

Sub MAIN
EditClear
End Sub

```

Macro "DelLine"

```

Sub MAIN
StartOfLine
EndOfLine 1
EditClear
End Sub

```

Macro "DelToBOL"

```

Sub MAIN
StartOfLine 1
EditClear
End Sub

```

Macro "DelToEOL"

```

Sub MAIN

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EndOfLine 1
EditClear
End Sub

Macro "EndBlock"

Sub MAIN
Cancel
EditCopy
End Sub

Macro "ScrollUp"

Sub MAIN
VLine -1
End Sub

Macro "ScrollDown"

Sub MAIN
VLine 1
End Sub

Macro "WordstarHelp"

Sub MAIN
Begin Dialog UserDialog 600, 220, "Wordstar Commands"
 Text 9, 6, 183, 13, "Cursor Movement:"
 Text 9, 18, 183, 13, "^S : move 1 space right"
 Text 9, 30, 183, 13, "^D : move 1 space left"
 Text 9, 42, 183, 13, "^E : move 1 space up"
 Text 9, 54, 183, 13, "^X : move 1 space down"

 Text 9, 70, 183, 13, "^F : move 1 word right"
 Text 9, 82, 183, 13, "^A : move 1 word left"
 Text 9, 94, 183, 13, "^R : move up 1 screen"
 Text 9, 106, 183, 13, "^C : move down 1 screen"

 Text 9, 122, 183, 13, "^W : scroll text down 1 line"
 Text 9, 134, 183, 13, "^Z : scroll text up 1 line"

 Text 9, 150, 183, 13, "^Q^S : move to start of line"
 Text 9, 162, 183, 13, "^Q^D : move to end of line"
 Text 9, 174, 183, 13, "^Q^R : move to start of file"
 Text 9, 186, 183, 13, "^Q^C : move to end of file"
 Text 9, 200, 183, 13, "^J : Help (this message)"

 Text 200, 6, 183, 13, "Deleting Text:"
 Text 200, 18, 183, 13, "^G : delete space to right"
 Text 200, 30, 183, 13, "^H : delete space to left"
 Text 200, 42, 183, 13, "^T : delete word to right"
 Text 200, 54, 183, 13, "^Y : delete line"

 Text 200, 70, 183, 13, "^Q^Y : delete to end of line"
 Text 200, 82, 183, 13, "^Q^DEL : del to start of line"

 Text 200, 98, 183, 13, "^U : unerase"
 Text 200, 110, 183, 13, "^V : insert mode"

 Text 200, 126, 183, 13, "^Q^F : find"
 Text 200, 138, 183, 13, "^Q^A : find and replace"
 Text 200, 150, 183, 13, "^L : find next"

Text 200, 166, 183, 13, "File Operations:"
Text 200, 178, 183, 13, "^K^S : save file"
Text 200, 190, 183, 13, "^K^Q : quit without saving"
Text 200, 202, 183, 13, "^K^X : save and quit file"

Text 400, 6, 183, 13, "Block Operations:"
Text 400, 18, 183, 13, "^K^B : mark start of block"
Text 400, 30, 183, 13, "^K^K : mark end of block"
Text 400, 42, 183, 13, "^K^C : copy block"
Text 400, 54, 183, 13, "^K^V : move block"
Text 400, 66, 183, 13, "^K^Y : delete block"

Text 400, 82, 183, 13, "Character Styles:"
Text 400, 94, 183, 13, "^P^B : bold type"
Text 400, 106, 183, 13, "^P^I : italic"
Text 400, 118, 183, 13, "^P^S : underline"
Text 400, 130, 183, 13, "^P^T : superscript"
Text 400, 142, 183, 13, "^P^V : subscript"
Text 400, 154, 183, 13, "^P^X : strikeout"
Text 400, 166, 183, 13, "^P^P : pagebreak"

CancelButton 420, 190, 88, 21
End Dialog
Dim dlg As UserDialog
x = Dialog(dlg, 1)
End Sub