

The WordPerfect Braille and speech Interface Keyboard

Version 1.2

August 1, 1993

Introduction

My favorite word processor of all time has always been WordPerfect. I started using it with version 4.1 when it was really small and fast. Now version 6.0 is here. It is much bigger and somewhat slower on 286 machines, but what power!

When I had heard that WP was working on this product, I became concerned about the possible ramifications for blind users. I contacted them and they put me on their beta team.

My first impression of the product was fear. I had become accustomed to the look and feel of WordPerfect. I loved those full screen menus, those menu driven help screens, and the nice prompts for deleting blocks of text at the bottom of the screen. Those are no longer here. The product looks and feels much different for a blind user. The character mode they talk about when you call is much different than the old 5.0/5.1 interface.

Even so, I think that WordPerfect 6.00 is much better for speech and braille. Good going WordPerfect Corporation!

This sent me on a mission to conquer the great WP 6.0! This document along with the keyboard files provided is the partial answer to my mission.

This document is intended for those with good experience in configuring applications. It is not meant to be a guided tour on how to configure WordPerfect 6.0. Consult the vendor of your access technology to see if they have developed a configuration for WordPerfect 6 yet. If not, send this package to them to assist them in developing that configuration. Every little bit helps in this industry.

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Legal Stuff

WordPerfect is a trademark of WordPerfect corporation.

Jaws (Job Access with Speech) is a trademark of Henter-Joice.

ARTIC business Vision is a trademark of Artic Technologies.

Vocal-Eyes is a trademark of GW Micro.

I have spent a great deal of time developing this keyboard definition file. This product will be continually upgraded. It is my intent to provide a new interface than the current design that WordPerfect has implemented. I will be tailoring the interface specifically for braille and speech users. I am not saying that the default interface is bad, but some minor changes can make it even better for speech and braille. All of this will be done with the power and flexibility of the WordPerfect macro language.

If you continue to use this product after 30 days a registration fee of 12 dollars is required. Registrations will be used to defray the cost of distributing the product on electronic bulletin boards and other means. Once you registration, a diskette with the latest version of WP BASIK will be sent to you. The shareware messages will be removed as well.

If you are an access technology vendor, and you would like to incorporate this keyboard file into your product, please contact me. I have no problems with this but would appreciate it if you would mention how this was obtained in your documentation. You must also mention the fact that this is shareware and that if the customer is to continue to use it, he/she must register it. Please contact me as new versions will be made quickly. I would also like to discuss how you will implement this in your application.

I will be keeping a list of vendors who have incorporated this keyboard file into their product. Any configurations that have been developed for your screen reader would be helpful if you would be willing to pass them along. I will maintain a library of these configurations. I would like to include them in this package so users have instant access to the configuration files.

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What did I Find?

1. The menus
One of the greatest changes in WP 6.0 is its new menus. Overall, the new menus place the system cursor on the highlighted menu mnemonic letter, making it even easier to use than 5.1 was. The only problem is that the document stays on the screen surrounding the menu itself. Now you will hear parts of the document if you read the whole line while on a menu item!
2. Deleting of Codes
One of the nicest things about 5.1 was that when you deleted a code from a document, you got a prompt at the bottom of the screen asking if you really wanted to do that (assuming reveal codes was not on). WordPerfect now pops up a dialog window asking you the same question. This presents a little more of a challenge for configuring this little window to speak automatically. Most screen readers will make this a piece of cake, but others that are not as advanced will make it difficult to configure.
3. The help system
I love online help. I feel that every computer product should have it and it should work really well. WordPerfect changed their help system to a hypertext help system. You will now have to point at items with a cursor key and press <ENTER> on them to get them to come up. This will be the most difficult challenge in configuring WordPerfect 6.0. If you configure your speech system to track a menu bar while in help, you will make it work. the only problem in using help is when you use the up/down arrow and scroll the help window. If your screen reader will allow you to monitor portions of the screen and only speak those areas that change, you are in luck. Most newer versions of adaptive screen reading technology have this ability.
4. Crowding up the Dialog Menu
With the release of WordPerfect 6.0, WordPerfect has introduced new text dialog menus. I love them, BUT! There are a few that have more than one column of choices. This means, if you read the current line, you will hear two menu choices. If you are not careful, you will not know which one you are on. With some careful learning, this should not be a problem.
5. Inconsistent Dialogs
I found that one of the Dialogs does not allow the screen to be cleared when it pops up. The dialog in question is the control-F4 key (the move dialog). For this reason, this dialog will be a little more

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difficult to configure.

6. Some pick list boxes in WordPerfect do not track (move the system cursor with the highlight bar). Most of these windows have the ability of performing a "NAME SEARCH" function. The cursor is placed in a small box where text can be entered for the "NAME SEARCH" function. A macro can not get around this one.

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What Did I Conquer?

Since many of us use different screen reading packages, I thought it would be best to attack a great deal of the challenge in configuring WordPerfect 6.0 with WordPerfect's own macro language. For this reason, I have developed a WordPerfect keyboard file for WP 6.0 that hopefully will assist in making WordPerfect 6.0 better for all when setting up configurations. The rest of this document describes this keyboard file and the way that it should be used when configuring WP 6.0.

What files are included in this package?

The following files are included in this package:

File Name	Description
DESC.SDI	and
FILE_ID.DIZ	These two files are short descriptions of this product. These files are used by electronic bulletin board services to automatically provide a file description of this product.
WPB.WP	This documentation in WordPerfect 6.0 format.
READ.ME	This documentation in ASCII text.
WPBSTART.WPM	This is the startup macro that is used to setup specific options necessary for optimum use with the new keyboard file. This macro turns off the pull-down menus from displaying by default and sets the measurements to inches (using the letter I).
WPBASIK.WPK	this is the main keyboard macro file that contains the special macros for WordPerfect 6.0.

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Preparing for the Installation of the Keyboard File

It is time to install the keyboard file. Before you can do this some things need to be setup first.

Copying the files

Included in this distribution archive is a WordPerfect macro file called WPBSTART.WPM. This macro should be placed in the directory that you specified during the installation of WordPerfect for macro files. This is normally C:\WP60\MACROS.

The distribution archive also contains the actual keyboard file. The name of this file is "WPBASIK.WPK". This file should also be copied to the same directory the macro was.

Setting the WP Environment Variable

The first thing you need to do is to set an environment variable in your AUTOEXEC.BAT file. Put a line in your AUTOEXEC.BAT file that reads:

```
SET WP=/m-wpbstart /ND
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The /m switch tells WordPerfect to invoke the WPBSTART macro upon entering WordPerfect. This macro MUST be run. The keyboard file will not work without it.

The /nd switch will prevent WordPerfect from locking your system when you are using access technology.

Make sure you re-run your AUTOEXEC.BAT file, or reboot your system before invoking WordPerfect. This is necessary to make the changes apply that you just implemented in your AUTOEXEC.BAT file.

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What Does the Startup Macro Do?

When you enter WordPerfect, the macro file called WPBSTART will execute (assuming you set up your AUTOEXEC.BAT file as described above). This is what the macro will do:

1. the macro defines a special variable called WAIT_TIME that is used to set the length of time that the macro waits when displaying a prompt before it is removed. The variable is assigned a value of 10. This means 1 second. Depending on your system, you can change this value to a lower number. Experimentation is required to determine the best parameter to use for speech responsiveness.
2. The new WordPerfect Braille and Speech Interface Keyboard file is made the default keyboard for this session of WordPerfect only.
3. The entry and display of measurements have been set to inches (I was used in this case). This, I have found, is the best setup for speech users as measurements are spoken better. The old style of WordPerfect 4.2 unit measurements is no longer available.
4. The pull-down menus are no longer visible on the main document screen. This was done for easier reading of the document.
5. Beeps are turned on for all conditions available in setup for the current session only.
6. A message informing you that WordPerfect is ready for use is displayed on the status line.

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Configuring the Status Line

For this keyboard file to work correctly, you will need to configure two windows for the status line. Follow these guidelines:

1. For the first window, the area of the screen should be line 25, columns 1 through 48. DO NOT go beyond column 48.
2. Configure the screen reader to trigger on a caret symbol (^) in column 1. When this is seen, this window should speak. Many messages presented in this keyboard file begin with a caret symbol (^). I have found that information, other than that provided in the keyboard that is shown on the status line, is really not that useful (with the exception of the positioning information on the right side of the status line) and the filename/font name on the left side of the status line.
3. Configure a second window for the full length of the 25th line of the screen.
4. This window should only speak when the string "***" appears. This string will start in column 1. The full line should then speak. This is the string that is used to signify that a menu is appearing on the bottom line of the screen.
5. A third window should be setup to monitor the status line. Search for the string "Selection:" starting in column 1 of line 25. If this is seen, read the whole screen. this represents a vertical menu like the old WordPerfect 5.0/5.1 menus.

Other tips and techniques will be added to this section as I receive feedback from you, the user.

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What does this keyboard file provide?

This special keyboard file provides prompts on the status line for all Dialogs that can be invoked by the use of function keys and other keyboard commands.

When configuring your screen reader for this keyboard file, look for a caret (^) followed by any text. Each special prompt will begin with the caret (^). This distinguishes other WordPerfect prompts that might appear. In my experience, no other prompts or information shown on the left side of the status line is of any value (with the exception of the filename and the current font of the document). All special prompts/messages will remain in columns 1 through 49 of the status line. Keep this in mind when configuring your access technology.

When a dialog comes up, you will be told by a message on the status line. When you have completed your activity in that dialog, you will be told when you have returned to the main editing screen. I added this simply because it can be difficult to tell when WordPerfect reacts to a key. The new version 6.0 can be sluggish on some systems. Be patient, it will communicate with you eventually. I say this only to make sure that if you are running on a 286 system, that responsiveness might be redefined from your experience with WordPerfect 5.1 or earlier.

Other techniques have been implemented in this keyboard file to assist in screen reading technology configuration. Refer to the chart on the following pages for further information on what techniques have been made to assist you. Each redefined key is described in detail. The keys are listed in groupings. In some instances multiple keys are listed together when the same function applies to a set of keys that has been redefined.

The following charts show each key that is defined in the keyboard file and how it has changed from the WP default. If you do not like the way this key functions with the use of this keyboard file, delete that keyboard definition from the keyboard layout in setup (shift-F1, keyboard, edit).

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CHART 1 Normal function Key Layout

This chart shows the basic normal function key layout. Some additional keys are also shown that apply with the key being explained. For example, the CONTROL-B key is described along with the F6 key since they perform the same function.

Key Meaning Description

F1 HELP This key clears the current document from the screen and brings up the help screen for the current area. A message is also displayed beginning with a caret symbol (^) informing you that the help screen has been invoked.

F2 Search This key clears the current document from the screen and pops up the search dialog (the normal function for this key). You are notified of this with a message on the status line. Once the search completes, you will be notified that you have returned to the editing screen. The prompt will tell you to "enter a string to search for".

F3 Switch This key allows you to switch to any document you wish. WordPerfect supports up to 9 documents open at any given time. When you hit this key, a prompt will be shown on the screen asking you which document you would like to switch to. This is different from the standard function of WordPerfect. In WordPerfect, a dialog window is opened displaying a list of all 9 documents (whether or not 9 are open). The number of the document along with its filename is displayed in the dialog. I felt that this information was fine if you really need it, but for speech users I thought a simple prompt would be better and faster. For this reason I re-defined the key to show a simple prompt instead of the dialog window. When you enter a number, WordPerfect will let you know on the status line which document is being opened. This makes it nice if you accidentally hit the wrong document number.

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CHART 1 (CONTINUED)

Key Meaning Description

F4 Indent

SHIFT-

F4 LR INDENT

TAB TAB

Shift-

TAB BackTAB

CONTROL-

F6 Decimal

Tab

ALT-

F6 Flush Right

SHIFT-

F6 Center These seven keys move the cursor through the document by their respective functions. When these keys are hit, the new position will be shown on the status line (surrounded by caret symbols). This allows for easier editing in multi-columns and when aligning up text in paragraphs.

F5 List

Files This key will clear the screen and invoke the list files screen. A message on the status line will inform you of your entrance into and out of this function.

F6 Bold and

F8 Underline These two keys will inform you of the state of the bold and underline functions. You will know when bold is on, when bold is off, and when a blocked area is bolded. This also holds true with the underline key. These messages are displayed on the status line and are surrounded by caret symbols (^). The control-B (bold) and control-U (underline) keys provide the same functionality as F6 and F8 do.

F7 Exit This key will perform the same function as its default key in WordPerfect 6.00 While in the editing screen if you press F7 you will be told what to do next. The prompt will inform you that you can "Save As, Yes, No, Cancel (S, Y, N, or C)". These are the choices that are shown in the default dialog that is invoked. The dialog is invoked and is ready for your response.

F10 Save This key will clear the screen and invoke the "Save Document" dialog. A message on the status line will inform you of your entrance into and out of this function.

F11 Reveal

Codes This key toggles reveal codes on and off. this key is the same as ALT-F3. You are told when Reveal Codes is on and when it is off.

F12 Block This key toggles the block feature on and off. You are told when block is on and when it is off.

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CHART 2 Shifted function Key Layout

The keys in the chart below are those function keys accessed by pressing the SHIFT key (SHIFT-F1 through SHIFT-F12). For this reason, the shift key will not be shown in the KEY column when the keys are listed.

Key Meaning Description

F1 Setup This key will invoke an old WordPerfect 5.1 look-a-like setup menu. You are presented with the setup menu in a full screen with the word "Selection:" on the status line. You can select the options either by pressing the number on the left of each option, or the first letter of each menu choice. When the letter/number is pressed, you are taken to that dialog. When you complete this dialog you are returned to the main editing window. Unlike the standard setup key, I had to take you back to the editing window due to a "CHAR" macro command problem I have not been able to code around. This will hopefully change in the next release.

F2 Reverse

Search This key invokes the search function (in reverse). The screen is cleared and a message is placed on the status line. When Search is completed, a message letting you know that you are in the document screen is displayed.

F3 Switch

This key invokes the Switch document function. This key switches between the last two windows opened. When you switch to a different document, that document number is displayed in a message on the status line. This is done so that you always know which document is currently being edited.

F4 LR Indent Refer to chart 1 for a description of the indent and LR Indent functions. This key is grouped along with others that perform the same function. Look for the "F4" key in this chart for the five key grouping.

F5 Date

This key invokes the "DATE DIALOG". This key varies from the WordPerfect default. A simple horizontal menu is shown on the status line beginning with the character sequence "***". All functionality is maintained, but it is easier to deal with than the dialog default. Once you have used this menu, you will be told when you return to the document after exiting this function. To exit this menu press either F7 or the <ESCAPE> key.

F6 Center

Refer to CHART 1. for details on this key.

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CHART 2 (CONTINUED)

Key Meaning Description

F7 Print This key invokes the "PRINT DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.

F8 Format This key will invoke an old WordPerfect 5.1 look-a-like format menu. You are presented with the format menu in a full screen with the word "Selection:" on the status line. You can select the options either by pressing the number on the left of each option, or the mnemonic letter of each menu choice. When the letter/number is pressed, you are taken to that dialog. When you complete this dialog you are returned to the main editing window. Unlike the standard setup key, I had to take you back to the editing window due to a "CHAR" macro command problem I have not been able to code around. This will hopefully change in the next release.

F9 Merge

Codes This key invokes the "MERGE CODES DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.

F10 Retrieve This key differs from the standard WordPerfect function. This key will invoke the "RETRIEVE DIALOG" instead of the "OPEN FILE DIALOG". This key now acts similar to the way that 5.1 did in that you can retrieve a document into the current one being edited. The standard 6.0 key opens a new document when the file is loaded. The screen is cleared and the dialog is presented. A message is placed on the status line informing you of the dialog being invoked. You are also notified when the dialog is closed.

F11 Redline This key has been written to assist in redlining documents. This key acts very similar to the bold key. You are notified when redlining is on, off, and when text that is blocked is redlined.

F12 Strikeout This key has been written to assist in striking out document text. This key acts very similar to the bold key. You are notified when strike out is on, off, and when text that is blocked is struck out.

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CHART 3 Control Function Key Layout

The keys in the chart below are those function keys accessed by pressing the CONTROL key (CONTROL-F1 through CONTROL-F12). For this reason, the control key will not be shown in the KEY column when the keys are listed.

Key	Meaning	Description
F1	Shell	I have re-defined this key to show the shell menu in a vertical style menu. The only draw back to this key is that if you are running WordPerfect 6 from the SHELL 4.00 program that comes with WordPerfect 6, you will not have two of the options. You basically will not be able to list the current running programs and switch to them. Sorry about that. When I can figure out how to find out that the shell is running under WordPerfect, this will change. Select each option either by its number or the first letter of the menu item itself.
F2	Speller	This key has been re-defined somewhat from the standard WordPerfect 6 default. This key invokes a new menu that looks very similar to the WordPerfect 5.1 menu structure. A full screen menu is displayed showing each option that is available. No options have been eliminated from the feature of this key. If you wish to exit this menu, press the <ESCAPE> key. the F7 key will exit from the menu. The standard speller dialog allows you to invoke Speller Setup by pressing the SHIFT-F1 key. This is possible in this new menu as well. Simply press "S" or the "SHIFT-F1" key to invoke Speller Setup.
F3	Screen	This key invokes the "SCREEN DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.
F4	Move	This key invokes the "MOVE DIALOG". The screen is NOT cleared when this key is used. I am not sure why this does not work, and neither is WordPerfect. Both WordPerfect and I guess that it does not clear it so that you can see what has been blocked (that is a wild guess). A message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is displayed.
F5	Outline	This key invokes the "OUTLINE DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.
F6	DEC TAB	Refer to CHART 1 for information on this key.

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CHART 3 (CONTINUED)

Key	Meaning	Description
F7	Notes	This key invokes the "NOTES DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.
F8	Font	This key invokes the "FONT DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.
F9	Merge /Sort	This key invokes the Merge/Sort menu. Instead of WordPerfect invoking a dialog with two options in it, I re-wrote the key to simply show a small menu on the bottom of the screen. this will allow for easy triggering and makes life easier for speech users. After selecting a choice, that dialog is invoked. After completing this function, you will be informed when you have returned to the main document screen. If you want to exit the menu, press either F7 or the <ESCAPE> key.
F10	Record	This key invokes the "MACRO RECORD DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.
F11	Very Large	This key sets the VERY LARGE attribute on text. You will be told when VERY LARGE is on, off, or when a blocked area of text is enlarged. This key acts like the BOLD key.
F12	Italics	Refer to CHART 6 key I for more information.

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CHART 4 Alt Function Key Layout

The keys in the chart below are those function keys accessed by pressing the ALT key (ALT-F1 through ALT-F12). For this reason, the ALT key will not be shown in the KEY column when the keys are listed.

Key	Meaning	Description
F1	Writing Tools	This key invokes the "WRITING TOOLS menu". This key has been re-defined to show a menu on the bottom of the screen. This menu provides all functionality that the dialog provides. Make your choice and that function is performed. This menu, like all others, begins with the character sequence "**: signifying that it is a menu.
F2	Search and Replace	This key invokes the "SEARCH AND REPLACE DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.
F3	Reveal Codes	This key turns REVEAL CODES ON and OFF. A message on the status line will inform you of the current state of REVEAL CODES when the key is pressed.
F4	Block ON/OFF	This key turns BLOCK ON and OFF. A message on the status line will inform you of the current state of BLOCK when the key is pressed. ON/OFF
F5	Mark	This key invokes the "MARK DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.
F6	Flush Right	Refer to CHART 1 for more information on this key.
F7	Columns/ Tables	This key invokes the "COLUMNS/TABLES DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.
F8	Styles	This key invokes the "STYLES DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.

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CHART 4 (CONTINUED)

Key	Meaning	Description
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F9	Graphics	This key invokes the "GRAPHICS DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.
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F10	Run Macro	This key invokes the "EXECUTE MACRO DIALOG". The screen is cleared and a message is displayed on the status line telling you that the dialog is being invoked. A message after the dialog is closed is also displayed.
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F11	Large	This key sets the LARGE attribute on text. You will be told when LARGE is on, off, or when a blocked area of text is enlarged. This key acts very much like the BOLD key.
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F12	Justify	This key is a very nicely written version of the old "JUSTIFICATION" prompt that WP 5.1 had. You are presented with a small menu on the bottom of the screen with choices from which to select. The title of the menu begins with the characters "***", signifying that it is a status line menu. You can exit this menu by either pressing the F7 key or the <ESCAPE> key.
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CHART 5 Pull-Down Key Layout

Key	Meaning	Description
ALT-=	Pull-down Menus	The ALT-= (alt equals) key sequence brings up the WordPerfect pull-down menu system. The screen is cleared and the menus are invoked. A message is displayed informing you of the menus being invoked.
ALT-F	File	This key sequence invokes the file pull-down menu. The screen is cleared and a message informing you of your entrance into this menu is given on the status line. When you leave the menu, a message informing you that you have entered the editing screen once again (if this is true).
ALT-E	Edit	This key sequence invokes the Edit pull-down menu. The screen is cleared and a message informing you of your entrance into this menu is given on the status line. When you leave the menu, a message informing you that you have entered the editing screen once again.
ALT-V	View	This key sequence invokes the View pull-down menu. The screen is cleared and a message informing you of your entrance into this menu is given on the status line. When you leave the menu, a message informing you that you have entered the editing screen once again.
ALT-L	Layout	This key sequence invokes the Layout pull-down menu. The screen is cleared and a message informing you of your entrance into this menu is given on the status line. When you leave the menu, a message informing you that you have entered the editing screen once again.
ALT-T	Tools	This key sequence invokes the Tools pull-down menu. The screen is cleared and a message informing you of your entrance into this menu is given on the status line. When you leave the menu, a message informing you that you have entered the editing screen once again.
ALT-O	Font	This key sequence invokes the Font pull-down menu. The screen is cleared and a message informing you of your entrance into this menu is given on the status line. When you leave the menu, a message informing you that you have entered the editing screen once again.

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CHART 5 (CONTINUED)

Key	Meaning	Description
ALT-G	Graphics	This key sequence invokes the Graphics pull-down menu. The screen is cleared and a message informing you of your entrance into this menu is given on the status line. When you leave the menu, a message informing you that you have entered the editing screen once again.
ALT-W	Window	This key sequence invokes the Window pull-down menu. The screen is cleared and a message informing you of your entrance into this menu is given on the status line. When you leave the menu, a message informing you that you have entered the editing screen once again.
ALT-H	Help	This key sequence invokes the Help pull-down menu. The screen is cleared and a message informing you of your entrance into this menu is given on the status line. When you leave the menu, a message informing you that you have entered the editing screen once again.

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CHART 6 Shortcut Keys

The following keys are those keys to which WordPerfect refers to as the "Shortcut Keys". All of these keys are accessed by the use of the control key (CONTROL-A through CONTROL-Z). For this reason, the control key is not listed in the KEY column.

Key Meaning Description

A Compose This key invokes WordPerfect's "Compose" feature. The screen is cleared and the dialog is invoked. A message on the status line is shown telling you that you have entered the dialog. When you leave, you will be told when you have returned to the editing screen.

B Bold This key is the equivalent of pressing the F6 key. Refer to chart 1 for more information.

C Copy This key copies the current block to the buffer. When the copy is complete you will be told that the text has been moved into the buffer.

D Record This key invokes WordPerfect's "Record a Sound Clip" feature. You are told when you have entered the dialog and when you have exited to the document screen. The screen is cleared for easy reading.

F Find Mark This key will jump to the "quick mark" that is set using control-Q. When the jump is made, a message will be displayed on the status line informing you that the mark was found.

I Italics This key performs the same function that the F6 (bold key) did, except that this key invokes italics appearance instead of bold. You will know when Italics is on, when it is off, and when blocked text is put into Italics.

N Normal This key resets the document into a normal attribute. When this key is pressed, you will be told when the normal attribute has been set.

Q Mark Set This key sets a quickmark. You will be told when the mark is set. Use the control-F key sequence to jump to the mark.

R Repeat It took me a while to figure out where this function went in 6.0. I used the ESCAPE key repeatedly (no pun intended) in 5.1 and was not sure where it went. When this key is invoked, the screen is cleared and the "Repeat" dialog is invoked. A message on the status line shows when the dialog is being opened or closed.

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CHART 6 (CONTINUED)

Key Meaning Description

- S Play
Sound This key invokes the "Play Sound Clip" dialog. The screen is cleared and a message informing you that the dialog is being invoked is presented. Once the dialog is dismissed a message is displayed informing you that you have returned to the main document screen.
- U Underline This key is the equivalent of pressing the F8 key. Refer to chart 1 for more information.
- V Paste This key pastes what you have cut using the control-X key sequence. You will be notified when the text is pasted into the document. The message is surrounded by caret symbols.
- W WP CHARS This key invokes the WordPerfect characters dialog. The screen is cleared and a message is placed on the status line informing you that the dialog is being invoked. When you exit this dialog, a message will tell you when you have reached the editing screen.
- X Cut This key cuts the blocked text from the document. A message is placed on the status line that lets you know that the cut has taken place.
- INS TYPEOVER This key toggles the TYPEOVER feature on and off. A message on the status line will be shown informing you of the status of TYPEOVER. This message is surrounded by caret symbols (^).

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Contacting the Author

I can be contacted via the following methods:

1. You can call me at (602) 888-1456. Keep in mind that I normally get home after 6 MST. DO NOT call after 10:00PM. You will experience the wrath of Keri (my wife <GRIN>) if you do. DO NOT call during the day (8AM to 6 PM - Monday through Friday). I can not return calls then and would appreciate it if you could call during evening hours. The weekend is just fine to call.

2. You can contact me via snail mail (the US post office). My address is:

Jeff Bishop
420 E Yavapai RD.
Apartment Number H
Tucson, AZ 85705

3. I monitor Blink Talk on FIDONET. You can ask questions there if you would like. Make sure that you address the message to "Jeff Bishop".

4. For those of you with NETMAIL capability, you can send mail to FIDONET node number 1:300/205 during ZMH only.

5. You can always FREQ the latest version of this software from FIDONET node number 1:300/204. This system is available 24 hours and has a 16.8 v32BIS dual standard on-line. Use the magic name WPBASIK to FREQ the file.

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I would like to acknowledge the following people for their help:

Name	Why?
My Wife	My beautiful wife Keri who has been so patient during the long hours of frustration in trying to get the keyboard finished. To her I owe my gratitude and love.

WordPerfect

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Conclusion

That is it! You are now ready to run with WordPerfect 6.0. Additional refinements will be needed for complex screens in WordPerfect (such as spell check). I will be providing additional feedback on what should be done to configure these screens when firm details are available.

Expect a newer version of the keyboard file soon. The next release will have menus specifically developed for blind users. All functionality will be maintained, but they will be in an even easier structure than you see now.

Any suggestions, improvements, corrections, or any other comments you would like to pass on, please do. I love feedback.

Happy computing, and remember to be patient with WordPerfect 6.0. Any new product will cause some frustrations.