WordPsychic

User's Manual

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System Requirements

WordPsychic has been tested with Windows XP, Windows Vista, and Windows 7 on a variety of hardware platforms including desktop, laptop and tablet computers with processor speeds of at least 1.0 GHz and RAM capacities of 2GB and more.

Installation

WordPsychic consists of a single software package. While the installation process should be essentially automatic, the steps below will guide you through the process and explain what's happening as you are installing the system.

Installing the WordPsychic software

Insert the installation CD into the CD drive. The installation program should start on its own, but if it doesn't, open the CD with Windows Explorer and right-click on the "Setup WordPsychic.msi" file. Select "Install" from the menu, and the WordPsychic Setup Wizard will start.

WordPsychic 1.0.1
Welcome to the WordPsychic 1.0.1 Setup Wizard
The installer will guide you through the steps required to install WordPsychic 1.0.1 on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel < <u>B</u> ack <u>Next</u> >

Click "Next" to proceed to the next screen.

🔂 WordPsychic 1.0.1
Select Installation Folder
The installer will install WordPsychic 1.0.1 to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
<u>F</u> older:
Disk Cost
Install WordPsychic 1.0.1 for yourself, or for anyone who uses this computer:
© <u>E</u> veryone
⊚ Just <u>m</u> e
Cancel < <u>B</u> ack Next >

The default installation folder is the preferred location for the WordPsychic software, but you can change the folder if you like by clicking the "Browse" button. By default, the "Just me" radio button in the lower left portion of the window is checked so that only the person who runs the installer will have access to the WordPsychic software. If you want to allow unlimited access to WordPsychic, just check the "Everyone" radio button. When you are satisfied with the folder selection and number of users, click "Next".

B WordPsychic 1.0.1	
Confirm Installation	
The installer is ready to install WordPsychic 1.0.1 on your computer. Click "Next" to start the installation.	
Cancel < <u>B</u> ack	Next >

Click "Next" to install the WordPsychic software on your computer. You can change previous selections by clicking "Back."

🔡 WordPsychic 1.0.1			- - X
Installing WordPsychic	1.0.1		
WordPsychic 1.0.1 is being installed.			
Please wait			
	Cancel	< <u>B</u> ack	<u>N</u> ext >

Wait while WordPsychic is being installed.

🖞 WordPsychic 1.0.1
Installation Complete
WordPsychic 1.0.1 has been successfully installed.
Click "Close" to exit.
Please use Windows Update to check for any critical updates to the .NET Framework.
Cancel < <u>B</u> ack Close

WordPsychic is now installed on your PC. Click "Close."

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Starting WordPsychic

Start the WordPsychic software by double-clicking on the WordPsychic icon on the Desktop. While the program is loading, you will see a splash screen similar to this one:



The program may take a few seconds to load, especially the first time it is run after installation.

When it completes its startup process, it will display a toolbar along the top of your monitor. The left end of it looks like this:



Clicking on the WordPsychic button on the left opens the Help form (page 10). Clicking on the "Man" (Manual) button toggles the word prediction system between its Enabled and Disabled states. Clicking on the "Undo" button, when it is enabled, will remove an automatically-inserted word from your document, leaving only the characters that you had entered without speech recognition or word prediction. All of these buttons can be activated via function keys as indicated on each button.

The remainder of the toolbar consists of word prediction selection buttons that are blank at startup, but will contain word prediction words while you are typing and dictating to the system.

Using WordPsychic

In the sections that follow, each of the windows and dialog boxes that you will encounter while using WordPsychic will be explained.

Help form

The Help form contains 4-buttons, as shown here.

W	WordPsychic Help				
	Tools and Settings	Review Dictionary			
	Cancel	Exit			

The four buttons on this form perform the following actions when clicked:

Tools and Settings

Clicking this button opens the Tools and Settings form, described on page 10.

Review Dictionary

Clicking this button opens the Review User Dictionary form, described on page 19.

Cancel

Click on this button if you clicked on the "Help" button by mistake.

Exit

Clicking on this button exits the WordPsychic Toolbar.

The Tools and Settings form

The Tools and Settings window provides a means for you to tailor the operation of WordPsychic to your own personal preferences. It is organized as a folder with multiple tabs. When it first opens, the "About" tab is active, as shown here.

About tab

W	WordPsychic Tools and Settings						
	About Word Pred.	Appearance	Shortcuts	Statistics	Diagnostics		
	WordPsychic works typed by the keyboa list of which the top 6 order. When a word the user is typing in	with any docun rd. As the use & words are dis is selected fro to.	nent editing r types, Wo splayed on m the word	g program ordPsychic the top of I predictior	by monitoring updates the the screen in list, it is inse	what is being word prediction alphabetical rted into the text	
	Version: 1.0.1.0			D 1(eveloped by	y InvoTek, Inc.	
	Copyright © 2009, 2	010, 2011, 20	12	A	lma, AR 7292	1	
				P	hone: (479) 6	32-4166	
				E	mail: support(@invotek.org	
	Cancel and Ex	ät			Sa	ve and Exit	

This tab does not provide any options to set, but simply provides information about the current version of WordPsychic and InvoTek.

Notice the "Cancel and Exit" and "Save and Exit" buttons at the bottom of the form. These are not in any of the tabs, but are accessible at all times. Clicking on the "Cancel and Exit" button closes this window and discards all changes you made to the settings on all tabs. Clicking on the "Save and Exit" button saves all your changes from all tabs and then closes the window.

Word Pred. tab

WordPsychic Tools and Settings					
About Word Pred. A	Appearance	Shortcuts	Statistics	Diagnostics	
The Word Prediction logic in WordPsychic uses a language model with over 250,000 word pairs, made up of over 40,000 unique words, to predict the next word based on the previous word and whatever fragment of the current word that has been entered by the user. It capitalizes all words that appear in a Proper Names list, as well as capitalized words entered by the user. Offensive words are normally omitted from the prediction logic, but may be allowed with the checkbox below.					
10 🗸				Allow	Offensive Words
History Length (words)				Edit C	Offensive Words
Using On-Screen Keyboard				Edit	Proper Names
Cancel and Exit				Sa	ive and Exit

This tab is provided to adjust the operation of the word prediction feature of WordPsychic. There are only a few settings, and you may never need to adjust any of them.

History Length

The word prediction process used by WordPsychic bases its predictions on the previous word entered into your document and the beginning of the next word. Each time you add a letter to a new word, it revises the list of probable words shown in the toolbar. As part of that process, the past few words that were entered into your document are remembered to help with corrections – backspace in particular. Generally, using the backspace key to eliminate an entire word puts WordPsychic into a confused state which doesn't include any word prediction. So this setting can be kept low without affecting the behavior or performance of the word prediction process.

Using On-Screen Keyboard

Along with listening to a user's keystrokes, WordPsychic listens to mouse clicks to know the user is no longer typing in the same place. Checking this box turns off detecting mouse clicks since the user is typing by clicking the on-screen keyboard.

Allow Offensive Words

The word prediction process maintains a list of words that are considered offensive in many settings – especially those with children and mixed company. While you are free to type any word you wish, the word prediction process will not predict anything from its list of offensive words unless you check this box. If you are interested in tailoring the list of offensive words to your specific situation, click on the "Edit Offensive Words" button to open this form and get instructions on modifying that list.

Edit the Offensive Words list
 The Restricted and Offensive Words list contains words that WILL NOT show up in Word Prediction lists. To edit the Restricted and Offensive Words list, Click Yes below to open the list in a text editing program. Enter only one word per line. The order of the words in the file does not matter. Add or edit words that you DO NOT want to show up in Word Prediction lists. Delete words that you DO want to show up in the Word Prediction lists. Save the file when you are finished, and then close the text editing program. You must restart WordPsychic to use the edited list. If you delete the entire file, a default version will be created the next time you start WordPsychic. Do you want to edit this list now?
<u>Y</u> es <u>N</u> o

Edit Proper Names

In most cases, the word prediction process capitalizes the words in the prediction list according to the capitalization of the first letter of the word and the state of the CapsLock key on the keyboard. However, some words should always be capitalized, and to do this, WordPsychic keeps a list of Proper Names that should always be capitalized. When any of these words are included in the prediction list, they will be capitalized according to the way they are capitalized in the Proper Names list. If you want to change the way a particular word is always capitalized or add names of family, friends, pets, or places, click the "Edit Proper Names" button to open this form and view instructions on revising the list.



Appearance tab

W	WordPsychic Tools and Settings						
	About Word Pred.	Appearance	Shortcuts	Statistics	Diagnostics		
	Entries in the Word F the Spell-Checker rat buttons below to char	Prediction List ther than one nge the hilight	are color-c of the Wor ing colors.	oded to in d Predictio	dicate if the e on dictionaries	entry came fro a. Click on the	m
			-				
		Nor	mal Word		Spell-Chec	ker Word	
	Cancel and Exi	it			Sa	ve and Exit	

Use the controls on this tab to adjust the backcolor of selected buttons on WordPsychic.

Menu Button

The Menu button has a default backcolor that is turquoise blue. To change it, click on "Menu Button" on this tab. This will open a color selection dialog box that will give you a wide selection of colors for the Menu button.

Normal Word

Words in the word prediction list normally have a default backcolor of light gray. Click on "Normal Word" to open the color selection dialog box for all "normal" words in the prediction list.

Spell-Checker Word

Words in the word prediction list that are supplied as a last resort by our spell-checker normally have a backcolor that is pink. Click on "Spell-Checker Word" to open the color selection dialog box for all words in the prediction list that are supplied by the spell-checker.

Shortcuts tab

WordPsychic Tools and Settings				
About Word Pred. Appearance Sho	rtcuts Statistics Diagnostics			
Each button on the WordPsychic can be clicked on with a mouse, or it can be triggered by pressing one of the keys on the keyboard. The three buttons on the left can be triggered with Function Keys, while the Prediction Words can be selected with the number keys. Click on the buttons below to choose which key triggers each button.				
Man Undo	Prediction Words 1-6			
· ·	1 to 6 👻			
	Number Keys			
	Ose ALL number keys			
	Use only Top Row keys			
Restore Defaults	Use only Numpad keys			
Cancel and Exit	Save and Exit			

Each button on WordPsychic can be clicked with a mouse, and it has a shortcut key associated with it. Use this tab to select the shortcut keys associated with each button on WordPsychic.

On the left side of the window are graphic representations of the three control buttons on WordPsychic. Clicking on one of these graphics will cause the button's name and currently-assigned shortcut key to be displayed immediately below the graphic. The shortcut keys for these five buttons must be chosen from Function Keys F1 – F12. To change a shortcut key for any of these buttons, click on the button and then pick a new shortcut key from the dropdown list. If the shortcut selection results in a single Function Key being assigned to two or more buttons, you will be alerted to that with a message below the button's name. On the right side of the window is a single graphic representing all six of the word prediction buttons. Clicking on this graphic will cause the current shortcut key assignments to be displayed in the dropdown list below the graphic. The word prediction buttons' shortcut keys must be chosen from the number keys, and can be limited to the top row number keys or the NumPad number keys, or both. To change the shortcut key assignments, pick a new range of numbers from the dropdown list, and select one of the radio buttons below that list to determine which set or sets of number keys to accept as shortcuts.

Finally, if all else fails, click on the "Restore Defaults" button to reset the three control buttons' shortcuts to F5,F8 and F9 and the word prediction buttons' shortcuts to top row numbers 1-6.

Statistics tab

W	ordPsychic Tools and Setti	ngs						
	About Word Pred. During normal opera	Appearance tion, WordPsy	Shortcuts	Statistics tabs on I	Diagno	ostics it is doing. The c	ounts	
	below provide a measure of how effective this process is in saving keystrokes. These counts are reset each time the program starts up.							
	Keystroke Savings							
	Overa User Keyst	all: 0.0% rokes: 0	Reset on	Exit				
	Auto Keyst Keystrokes ir Calc Words in T	Text: 0	Save to	File er Exit)				
			(
	Cancel and Ex	át				Save and Exit		

This tab displays a summary of the performance statistics that WordPsychic keeps and gives the user a way to reset the statistics and to save them to a file for future reference. The statistics that get saved to a file include all the Keystroke Savings summary data plus many more details. Click on "Reset on Exit" to reset all counts to zero. Click on "Save to File" to save the detailed statistics to a file. Note that the Reset and Save operations do not actually take place until the Tools and Settings form is closed by clicking on the "Save and Exit" button.

Diagnostics tab

W	ordPsychic T	ools and Settin	ngs	_		_			
Γ	About	Word Pred.	Appearance	Shortcuts	Statistics	Diagnostics			
	If a problem occurs while this program is running, and you contact InvoTek for Tech Support, you may be asked to send the Log Files to InvoTek for troubleshooting. Click the button below to prepare the Log Files and move them to the Desktop so they can be sent to InvoTek as an attachment to an email message.								
		Compress Log File	and Copy To s to the Deski	day's top	Upload Compressed Log Files to InvoTek FTP Server				
	Path to Log files:								
	C:\Users\DuoThinkPad\AppData\Roaming\InvoTek\WordPsychic\1.0.1.0\data								
	Са	ancel and Ex	t			Save	e and Exit		

Occasionally, computers do unexpected things, and we need to have someone else help us determine what went wrong. This tab provides two buttons to help with that task.

During normal operations, WordPsychic keeps a log file of significant events that have occurred within the system. Clicking on the "Compress and Copy Today's Log Files to the Desktop" will put a compressed copy of the current day's log files on your Desktop. It will be named "WordPsychic_Logs_yyyymmdd-hhmmss.gz" where "yyyymmdd" is the current date, and "hhmmss" is the current time. After clicking on this button, the second button will be enabled.

Clicking on the "Upload Compressed Log Files to InvoTek FTP Server" will take the compressed logs from your desktop and transmit them electronically to InvoTek for the engineers there to examine. Note that this action requires an active Internet connection in order to operate. After clicking on this button and sending the compressed logs to InvoTek, please call InvoTek (479-632-4166) or email (<u>support@invotek.org</u>) to let them know that the file has been sent.

User Dictionary Review form

WordPsychic maintains a dictionary of the words that each user actually uses from day to day. This dictionary is divided into two parts – User Unigrams and User Bigrams. Each part can be reviewed and edited individually with this form.

📴 Review User Dictionaries					1	100 1		x
User Unigrams (48)	Total	Usage Count: 57	,	User Bigrams ((52)	Total U	Isage Count:	52
Text	▲ Count	Remove		Word1	 Word2 	Count	Remove	<u>^</u>
а	2			a	face	1		
and	3			a	very	1		
appreciate	1			and	expertise	1] =
at	1			and	george	1		
aware	1			and	how	1		
certainly	1			appreciate	heather's	1		
did	1			at	making	1		
do	1			aware	of	1		
expertise	1			certainly	do	1		
face	1			did	a	1		
for	1			do	appreciate	1		
fosnaught	1			expertise	at	1		
friends	1			face	for	1		
george	1			for	radio	1		
has	1			friends	kepe	1		
he	1			george	fosnaught	1		
heather's	1			has	а	1		
help	1		-	he	has	1] +
Remove All New Words Exit without saving Save and Exit								

The left section of the form is for reviewing User Unigrams, and the right section is for reviewing User Bigrams.

At the bottom of the form are three buttons of interest.

Remove All New Words – toggles the Remove button to "Yes" of all words that have been added during the most recent WordPsychic session. These will be deleted when Save and Exit is selected.

Exit without saving – Exits back to the WordPsychic Help form without making any changes to the User Dictionary

Save and Exit – saves all changes to the User Dictionary and exits back to the WordPsychic Help form

User Unigram review

Unigrams are single words that have been typed, chosen from a word prediction list, or inserted by the speech recognition system. The left side of the User Dictionary review form, for reviewing User Unigrams, is arranged like this:

Review User Dictionaries				
User Unigrams (48)	Total U	Jsage Count:	57	User I
Text	Count	Remove	<u> </u>	Wor
а	2			а
and	3			а
appreciate	1		Ξ	and
at	1			and
aware	1			and
certainly	1			appre
did	1			at
do	1			aware
expertise	1			certa
face	1			did
for	1			do
fosnaught	1			exper
friends	1			face
george	1			for
has	1			frienc
he	1			georg
heather's	1			has
help	1		Ŧ	he
Remove All New Words				

Scroll through the list of words to see what words the user has typed, picked from a word prediction list, or had recognized by WordPsychic.

The three columns of data include the following:

Text – the word that was used

Count – the number of times the word has been used

<u>Remove</u> – a clickable button that tells WordPsychic to remove this word from the User Dictionary on exit of this form. This is the only user-settable field on the User Unigrams review form.

User Bigram review

Bigrams are pairs words that have been used together. The right side of the User Dictionary review form, for reviewing User Bigrams, is arranged like this:

		1. 1. 2.	-		<u> </u>		
Count: 57	User Bigrams	(52)	Total	Total Usage Count: 52			
nove	Word1	▲ Word2	Count	Remove			
	а	face	1				
	a	very	1				
=	and	expertise	1				
	and	george	1				
	and	how	1				
	appreciate	heather's	1				
	at	making	1				
	aware	of	1				
	certainly	do	1				
	did	а	1				
	do	appreciate	1				
	expertise	at	1				
	face	for	1				
	for	radio	1				
	friends	kepe	1				
	george	fosnaught	1				
	has	а	1				
-	he	has	1		·		
		Exit without savin	a Sa	ave and Exit] 		

Scroll through the list of bigrams to see what ones the user has used.

The four columns of data include the following:

Word1 – the first word of a bigram pair

Word2 – the second word of a bigram pair

Count - the number of times this bigram pair has been used

<u>Remove</u> – a clickable button that tells WordPsychic to remove this bigram from the User Dictionary on exit of this form. This is the only user-settable field on the User Bigrams review form.

What to do if the system doesn't work right

If all else fails ...

If you have a persistent problem with WordPsychic, please call InvoTek at 479-632-4166 for assistance.