

how	what	when								any-	every-	some-
where	who	why								Com-puter	day	now
please	Chat mode	Copy Message Window	Their	Well	Just				word forms	today	time	
thank you	yes	qu	w	e	r	t	y	u	i	o	p	Places/Things
Page 2	no	a	s	d	f	g	h	j	k	l	backsp	del wd
I	me	shift #'s	z	x	c	v	b	n	m	.	space	clear
it	my	am	are	to	ask	be	call	about	again	and	at	E-mail
he	him	can	could	come	drink	eat	feel	be-cause	but	by	down	good
she	her	did	do	get	give	go	help	a	for	from	here	more
they	them	had	has	know	let's	like	make	all	if	in	of	okay
you	your	have	is	need	put	say	take	that	off	on	only	really
we	should	was	were	talk	tell	think	use	the	or	out	over	so
don't	not	will	would	walk	want	watch	work	this	there	up	with	very

*wordpower*TM

for DynaVox Series 5

Word-Based Vocabularies for DynaVox Series 5 Devices

(V+, Vmax+, Maestro)

Direct Selection and Scanning Versions

QUESTIONS ?	PEOPLE 	SOCIAL 								PLACES 	TIME 	WORD GROUPS etc.
I 	me 	my 	don't	can't	-s				good 	more 	DESCRIBE 	
it 	qu	w	e	r	t	y	u	i	o	p	any- every- some-	
he 	a	s	d	f	g	h	j	k	l	back space 	delete word 	
she 	shift #'s 	z	x	c	v	b	n	m	reset 	.	clear 	
they 	are 	ACTIONS 	to	be- 	come 	eat 	drink 	but	at	a-	the	
we 	can 	could	do	get 	go 	help 	like 	for 	and 	of 	that 	
your 	have 	is	was	need 	play 	say 	see 	off 	in 	on 	this 	
you 	were	will	would 	take 	tell 	think 	want 	work 	up 	out 	with 	

Nancy L. Inman, M.A.T., CCC-SLP
Speech-Language Pathologist

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Acknowledgements

Thank you to the many clients who have used WordPower and Picture WordPower over the last several years. WordPower and Picture WordPower for Series 5 include revisions that are based on requests that I received from you, and on client needs that I have observed during this time. This newest version also includes many exciting features that have been made available through the DynaVox Series 5 1.05 software.

Thanks for the awesome new DynaVox/Navigator phone page and the courtesy of allowing me to link to your page. The innovations at DynaVox Technologies are continuing to enhance the field of AAC and open doors for people with disabilities. Thanks to the staff at DynaVox for their support and help with this project: PJ Musick, Bob Cunningham, Mike Rogers, Mary Christine Rinaldi, Rob Cantine, Dan Sweeney, Jason McCullough, Kelly Burgan, and Pete Kennaday.

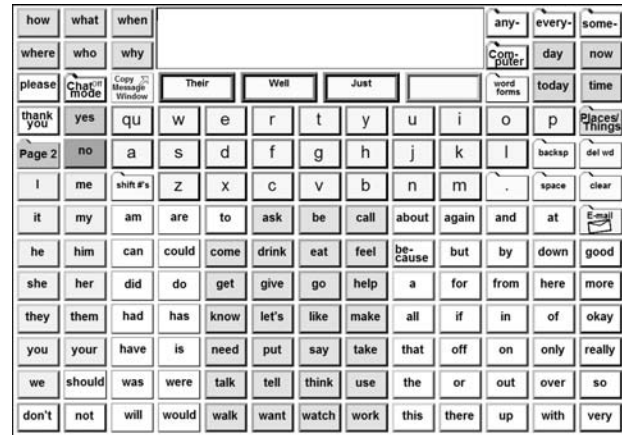
Nancy L. Inman

WordPower for DynaVox Series 5 Includes:

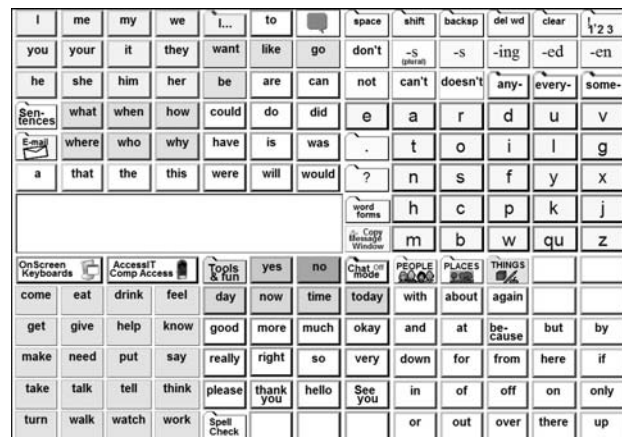
WordPower-150

Word- and text-based vocabularies.

- 150 locations.
- Low-tech manual board for direct selectors.
- Integrated and remote computer access and email access.
- Designed for individuals with literacy.
- Direct selection and scanning versions.



WordPower - 150-locations (direct selection)



WordPower - 150 locations (scanning)

WordPower-100

Word- and text-based vocabulary with picture-based categories.

- 100 locations.
- Integrated and AccessIT computer access and email access.
- Designed for literate individuals.
- Direct selection.

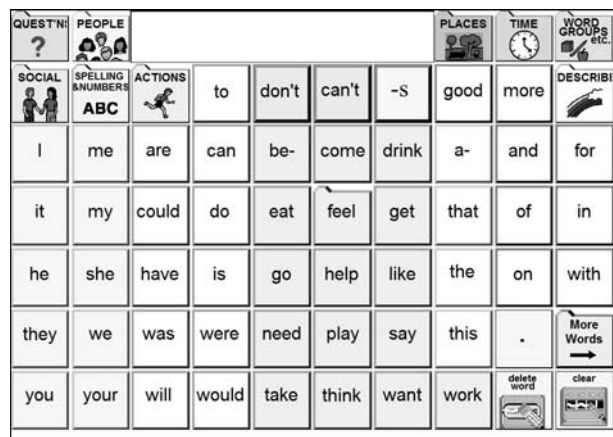


WordPower - 100 locations

WordPower-60

Word- and text-based vocabulary with picture-based categories.

- 60 locations.
- Integrated and remote computer access and email access.
- Designed for individuals with literacy who need larger targets for vision and/or access.
- Direct selection.

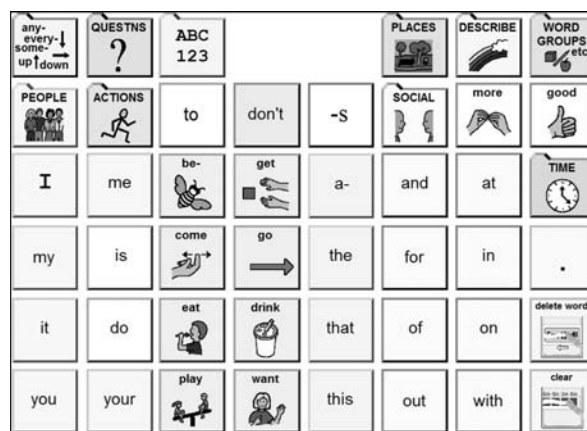


WordPower - 60 locations

WordPower-46

Word- and text-based vocabulary with picture-based categories.

- 46 locations.
- Integrated and remote computer access and email access.
- Designed for individuals with at least beginning level literacy.
- Direct selection.

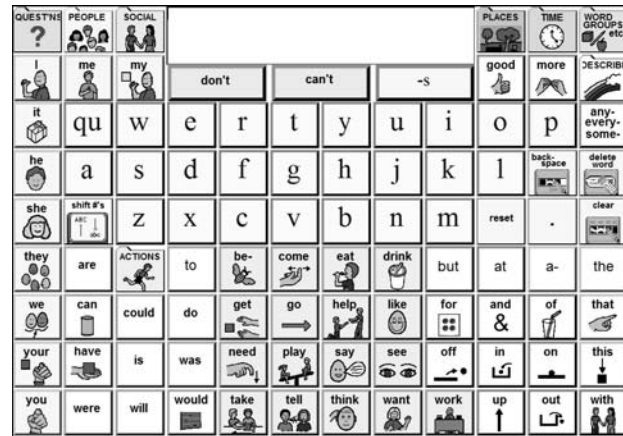


WordPower - 46 locations

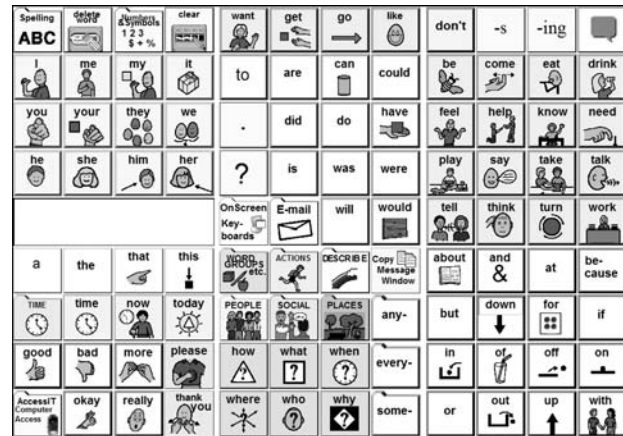
Picture WordPower-100

Word- and text-based vocabularies with picture-based categories.

- 100 locations.
- Integrated and remote computer access and email access.
- Designed for literate individuals who benefit from picture support.
- Direct selection and scanning versions.



Picture WordPower - 100-locations (direct selection)

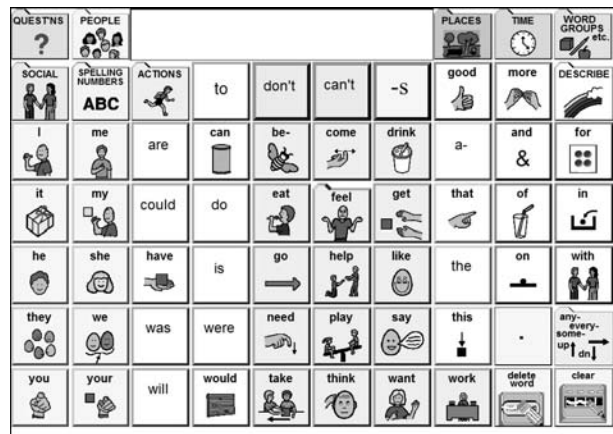


Picture WordPower - 100 locations (scanning)

Picture WordPower - 60-Location & No Keyboard

Word- and picture-based vocabularies.

- Picture WordPower with spelling keyboard on a separate page.
- Integrated and remote computer access and email access.
- Designed for literate individuals (at least beginning literacy skills) who need larger targets for vision and/or access.
- Direct selection.



Picture WordPower - 60 locations

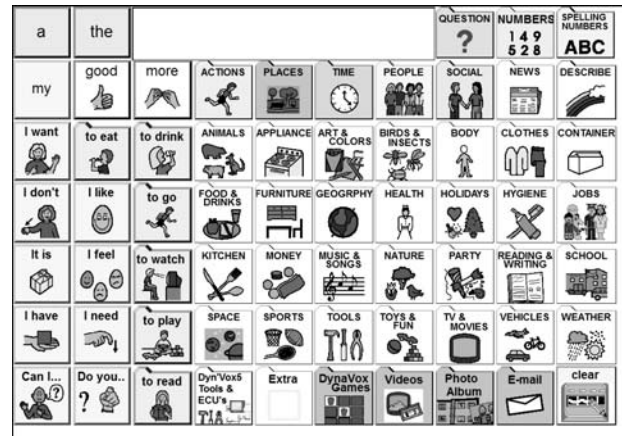


Picture WordPower - No Keyboard

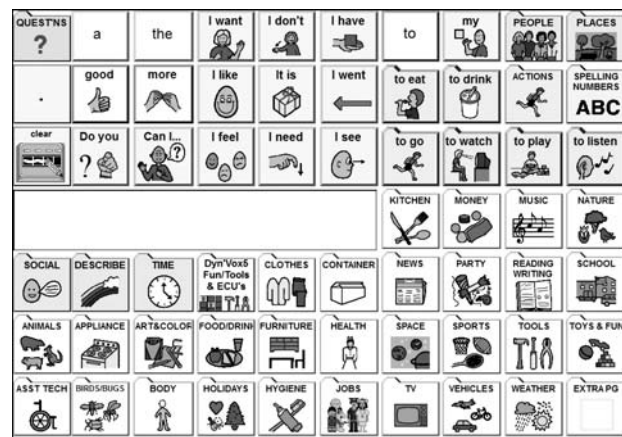
Picture WordPower with Phrases and Categories

Phrase- and category-based vocabularies.

- Designed for individuals who are unable to use a word-based vocabulary design, but who are able to generate novel thoughts through carrier phrases and semantic categories.
- Integrated and remote computer access and email access.
- Direct selection and scanning versions.



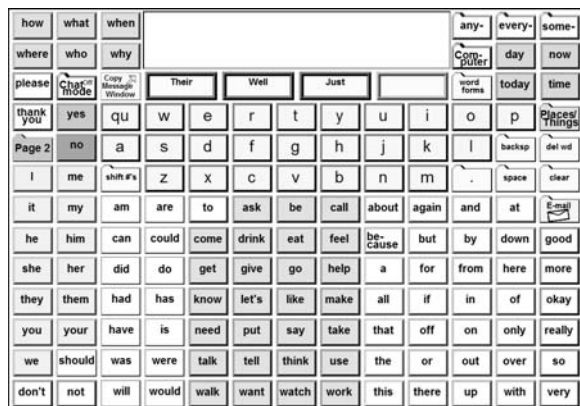
Picture WordPower - Phrases & Categories (direct selection)



Picture WordPower - Phrases & Categories (scanning)

WELCOME TO WORDPOWER FOR DYNAVOX SERIES 5

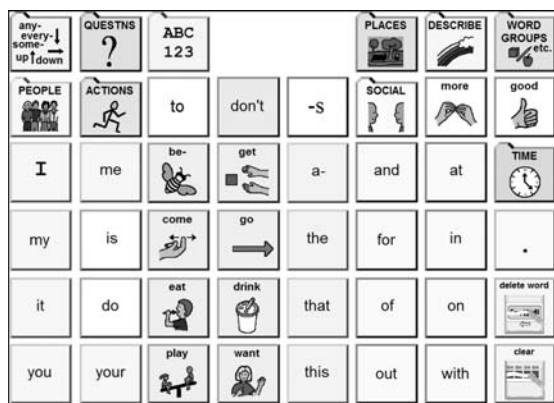
The WordPower for Series 5 applications are based on words, spelling and categories. They are available in both direct selection and scanning versions.



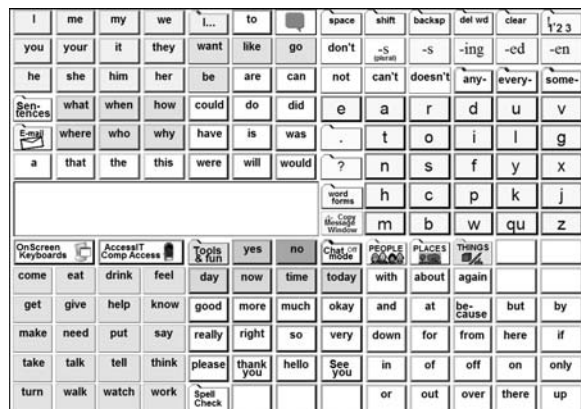
WordPower



WordPower - 100 Locations



WordPower - 46 Locations



Scanning WordPower

What is WordPower for Series 5?

WordPower for Series 5 is a unique vocabulary application designed specifically for augmentative and alternative communication (AAC) devices. It combines the features of core vocabulary, spelling and word prediction. The WordPower system is based on the fact that though most people may have a normal speaking vocabulary of between 10,000 and 30,000 words, a core vocabulary of just 100 words accounts for approximately 50 percent of words spoken. This fact is supported by a 1967 study by Kucera and Francis, analyzing written language samples for word frequency. This study revealed the following:

-
- The 10 words that are used the most frequently account for 24 percent of written text.
 - The 50 words that are used the most frequently account for 41.2 percent of written text.
 - The 100 words that are used the most frequently account for 48.1 percent of written text.

WordPower for Series 5 and Picture WordPower for Series 5 have been configured for scanning with Series 5 devices (V, V+, Vmax, Vmax+, and Maestro).

The following is a sample of those frequently-used core words:

I	To	You	The	That	Have
A	It	My	And	Of	Will
In	Is	Me	On	Do	Was

Words like the core words shown above are repeated over and over in our language. WordPower for Series 5 uses more than a hundred of these core words in conjunction with spelling and word prediction. In the past few years, word prediction systems have improved by including features such as grammatical prediction, frequency features, recency features and the option to quickly and easily add new words.

WordPower was originally designed for an individual who needed an augmentative communication device based on words. A system that offered only pre-stored sentences would not meet his communication needs. While the individual could see the advantages of a picture-based system with symbol sequencing, he did not want to learn the complex language coding system. At the same time, he wanted more than a system based solely on spelling and word prediction. WordPower provided this individual with fast and efficient language, and minimal time and effort was required to learn the system.

In WordPower for Series 5, the core words are categorized, color-coded and alphabetized for easy access. The main semantic categories include the following:

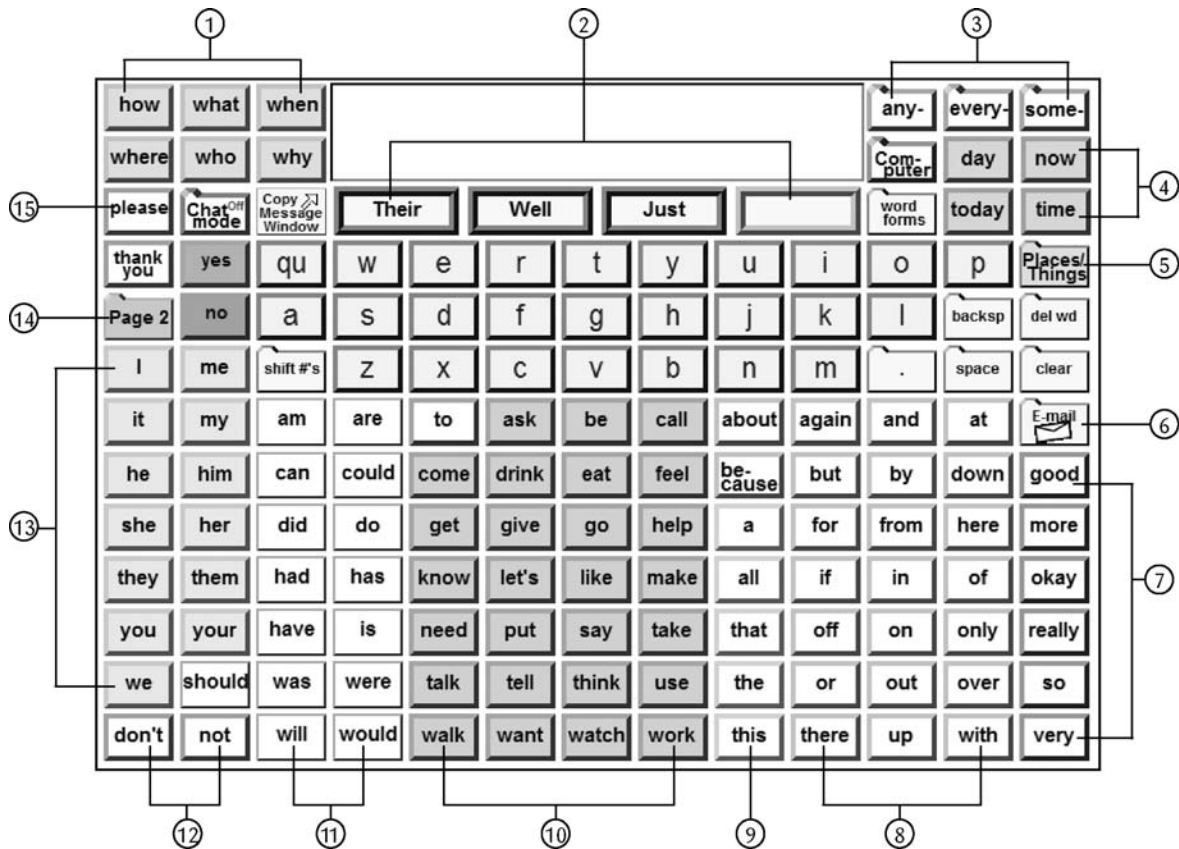
- | | |
|--------------------|---------------------------------|
| • Questions | • Interjections |
| • Pronouns | • Negatives |
| • Helping verbs | • Verbs |
| • Articles | • Prepositions and conjunctions |
| • Describing words | • Indefinite pronouns |
| • Time words | • Things |
| • Places | |

The word prediction system of WordPower for Series 5 has been customized by using the DynaVox Series 5 prediction setting *Don't Predict Words Already on Buttons*. Using this feature, the word prediction buttons are reserved for less common words and word derivatives that the system operator cannot access from the core. Word Prediction for WordPower for Series 5 also includes Recency.

WordPower and Picture WordPower have been configured for scanning for DynaVox Series 5.

Getting Started - WordPower for Series 5 Overlay Design

The illustration below provides an example of the way different types of vocabulary have been organized on the main page of WordPower for Series 5. The numbered lines point to buttons or groups of buttons that have been labeled in the button beneath the picture.



1. Questions
2. Word prediction buttons
3. Indefinite pronouns
4. Time words
5. Places/Things categories
6. DynaVox Series 5 email access
7. Describing words
8. Prepositions and Conjunctions
9. Articles
10. Verbs
11. Helping verbs
12. Negatives
13. Pronouns
14. Page 2 vocabulary
15. Interjections

Getting Started - Scanning WordPower for Series 5 Overlay Design

I	me	my	we	I...	to		space	shift	backsp	del wd	clear	1 2 3
you	your	it	they	want	like	go	don't	-s (plural)	-s	-ing	-ed	-en
he	she	him	her	be	are	can	not	can't	doesn't	any-	every-	some-
Sen- tences	what	when	how	could	do	did	e	a	r	d	u	v
E-mail	where	who	why	have	is	was	.	t	o	i	l	g
a	that	the	this	were	will	would	?	n	s	f	y	x
							word forms	h	c	p	k	j
							Copy Message Window	m	b	w	qu	z
OnScreen Keyboards	AccessIT Comp Access	Tools & fun	yes	no	Chat Off mode	PEOPLE	PLACES	THINGS				
come	eat	drink	feel	day	now	time	today	with	about	again		
get	give	help	know	good	more	much	okay	and	at	be- cause	but	by
make	need	put	say	really	right	so	very	down	for	from	here	if
take	talk	tell	think	please	thank you	hello	See you	in	of	off	on	only
turn	walk	watch	work	Spell Check				or	out	over	there	up













Getting Started - WordPower - 60 Location Overlay Design

QUEST'N: ?	PEOPLE 						PLACES 	TIME 	WORD GROUPS etc.
SOCIAL 	SPELLING & NUMBERS ABC	ACTIONS 	to	don't	can't	-s	good	more	DESCRIBE
I	me	are	can	be-	come	drink	a-	and	for
it	my	could	do	eat	feel	get	that	of	in
he	she	have	is	go	help	like	the	on	with
they	we	was	were	need	play	say	this	.	More Words →
you	your	will	would	take	think	want	work	delete word 	clear

Getting Started - WordPower - 46 Location Overlay Design

any- every- some- up↓ down→	QUESTNS ?	ABC 123			PLACES 	DESCRIBE 	WORD GROUPS etc.
PEOPLE 	ACTIONS 	to	don't	-S	SOCIAL 	more 	good
I	me	be- 	get 	a-	and	at	TIME
my	is	come 	go 	the	for	in	.
it	do	eat 	drink 	that	of	on	delete word
you	your	play 	want 	this	out	with	clear

Getting Started - WordPower - 100 Location Overlay Design

QUESTION ?	PEOPLE 	SOCIAL 						PLACES 	TIME 	WORD GROUPS etc. 	
I	me	my	don't		can't		-s		good	more	DESCRIBE 
it	qu	w	e	r	t	y	u	i	o	p	any- every- some- 
he	a	s	d	f	g	h	j	k	l	backspace 	delete word 
she	shift # 	Z	X	C	V	B	N	M	reset	.	clear 
they	are	ACTIONS 	to	be-	come	eat	drink	but	at	a-	the
we	can	could	do	get	go	help	like	and	for	of	that
your	have	is	was	need	play	say	see	off	in	on	this
you	were	will	would	take	tell	think	want	work	up	out	with

DynaVox Tools and WordPower for Series 5

WordPower for Series 5 has been specifically designed to work with several of the tools and commands that are features of the DynaVox Series 5 software. In the full 150 version of WordPower for direct selectors, most of the tools can be found on the second page of the page set (accessed by selecting the *Page 2 Link* button the main page). In Scanning WordPower, most of the tools can be accessed by selecting *Tools & Fun*.

In WordPower-100, WordPower-60, and WordPower-46, most of the tools can be accessed on the WORD GROUPS page, or on the *DynaVox Tools* page. WordPower for Series 5 uses the following tools:

- **Volume Control.**
- **Screen Settings.**
- **Environmental Controls.**
- **Music Player.**
- **Calculator.**
- **Full Screen On/Off.**
 - WordPower - *Page 2*
 - Scanning WordPower - *Tools & Fun*
 - WordPower-100, 60, and 46 - *WORD GROUPS > DynaVox Tools*
- **Files.** DynaVox Series 5 software offers the ability to save text into files. Commands such as load file, save file and save file as provide access to the data in your files.
 - WordPower - *Page 2*
 - Scanning WordPower - *Tools & Fun*
 - WordPower-100, 60, and 46 - *WORD GROUPS > Files*
- **Saved Messages or "Copy to 'Insert Text.'"** This tool allows quick assignment of phrases and sentences to DynaVox buttons. These messages can then be retrieved quickly when they are needed.
 - WordPower - *Page 2*
 - Scanning WordPower - *Tools & Fun*
 - WordPower-100, 60, and 46 - *WORD GROUPS > News*
- **Email.** DynaVox Technologies offers one free email account for every Series 5 device. Contact DynaVox Technical Support (at www.dynavoxtech.com or 1-866-DYNAVOX) for assistance in setting up your new email account. The DynaVox Series 5 software simplifies the process of setting up your DynaVox email.

To add email addresses to your device:

1. Select the **Email** button in your WordPower for Series 5 page set.
2. Select the **Email Browser** button.
3. Select the **Addresses** button and add the new address(es).

Once the addresses have been added to the browser:

1. Select the **Quick Email** button.
2. Customize the buttons by changing the button labels and editing the Quick Email behaviors:
 - WordPower - main page
 - Scanning WordPower - main page
 - WordPower-100, 60, and 46 - *WORD GROUPS*

- **My Phrases Button.**



- **Maestro Camera.** The DynaVox Maestro has a built-in camera. These pages provide instruction and access to use the camera.
- **Computer Access.** The Series 5 can access an external computer using the AccessIT, and an open Series 5 device enables individuals to use their device for communication and as a computer.

To access the computer access "AccessIT" pages:

- WordPower - *Computer* on the main page
- Scanning WordPower - *AccessIT Computer Access* on the main page
- WordPower-100, 60, and 46 - *WORD GROUPS > Computer Access AccessIT*

WordPower Onscreen Keyboards are designed to assist in controlling the integrated computer of the open Series 5 device.

- WordPower - *Computer* on the main page > *OnScreen Keyboards*
- Scanning WordPower - *OnScreen Keyboards* on main page
- WordPower-100, 60, and 46 - *WORD GROUPS > OnScreen Keyboards*

You can now send text from WordPower directly to an open document on the Series 5 device by selecting the Open WordPad and *Send Text* button. You can then add text to an open document with the *Send Text to Open Window* button.

- WordPower - *Computer* on the main page
- Scanning WordPower - *OnScreen Keyboards* on the main page
- WordPower-100, 60, and 46 - *WORD GROUPS*
- **Kurzweil Access.** Kurzweil reading software can now be controlled on an external computer via AccessIT, or directly on the Series 5 device if it has been installed. Specific pages have been setup to control Kurzweil through WordPower.
 - WordPower - *Computer* on the main page
 - Scanning WordPower - *OnScreen Keyboards* and *AccessIT Computer Access* on the main page
 - WordPower-100, 60, and 46 - *WORD GROUPS*

- **New and Fun DynaVox Series 5 Options:**

- DynaVox games
- eBook Reader
- Videos
- DynaVox Teaching Tools
- Photo capabilities
- Launch computer programs directly
 - WordPower - *Computer* on the main page
 - Scanning WordPower - *Tools & Fun*
 - WordPower-100, 60, and 46 - *WORD GROUPS*

Practice Sentences for WordPower for Series 5

Keep in mind that words are alphabetized within categories. Also remember to look for word endings in the second row.

1. I want to go and eat with you.

Hint: Select "." to speak the sentence.

2. I don't think I need that.

3. Will you come with me today?

Hints: Select Shift and "?" to find the question mark on WordPower-150.
Select *Questions* to find the question mark on WordPower-46 and 60.

4. I want to say something to you.

Hints: Select *some-* and then look for - *thing* within your choices.
Select *More Words* and then look for "something" on WordPower-46 and 60.

5. When do you want to go?

Hint: Select *Questions* to find "when" on WordPower-46 and 60.

6. I'm doing a good job.

Hints: Select *I* and look for -'m in the second row.
For Scanning WordPower, select the *I...* button to find "I'm."
Observe how the verb "go" automatically becomes "going" in this context.
Select *good* and notice that "job" appears in the second row. This is an example of logical next word prediction.

7. He's having a lot of fun.

Hint: Select *he* and notice that the "-s" becomes available. Select *a* and notice that the word "*lot*" becomes available through logical next word prediction. "*Fun*" is the only word you will need to spell in this sentence.

8. It will be 3:45 when I come to get you.

Hints: For WordPower, select Shift to find "3" and then ":45."
For Scanning WordPower, select the 123 button to find "3" and ":45."
For WordPower-46 and 60, find numbers on the *Spelling/Numbers* page, and find "when" on the *QUESTNS* page.

9. I didn't have a good time today.

Hints: For WordPower, select *did* and look for "-n't" in the second row.
For Scanning WordPower, select the *I...* button to find "I didn't."

10. I wouldn't want to do that.

Hints: For WordPower, select *would* and look for "-n't" in the second row.
For Scanning WordPower, select the *I...* button to find "I wouldn't."

11. I am feeling really good.

Hint: Notice that the verbs automatically change to present progressive -ing form after the "am" verb.

12. I am going to get something to drink.

Hint: For WordPower and Scanning WordPower, select *some* and then select *-thing*.
For 60-WordPower, select *More Words* and then look for "something."

13. What are you going to eat?

14. He is working everyday.

Hints: For WordPower and Scanning WordPower, select *every* and then select *-day*.
For WordPower-60, select *More Words* and then look for "everyday."

15. She's doing it herself.

Hints: The word completion option provides endings for "she" and "her-" (i.e., "she" + "-s" and "her" + "-self.")
For WordPower-46 and 60, find "her" on the *PEOPLE* page.

16. I'm not going with you.

Hints: Select *I* and look for "-m."
For Scanning WordPower, select the *I...* button to find "I'm not."

17. We can do whatever we feel like.

Hint: Select *what* and look for "-ever."

Extra Practice Sentences for WordPower-46 for Series 5

1. I like to eat at McDonald's.

Notice that "eat at" is followed by a list of restaurants.

2. I love to play Wii bowling.

Notice that after you select "play," you have categories available.
Select *SPORTS* to find "Wii bowling."

3. I like to play computer games.

Select *GAMES* to find "computer games."

4. Do you want to come over today?

Hint: Notice the logical next words "come" and "back."

5. It is my favorite.

6. It is my turn.

7. I will do it my way.

8. I like to eat pizza with cheese and pepperoni.

Hint: Select the word "*with*" after pizza to find the toppings.

9. I can do it without you.

Hint: Select the word "*with*" and then find "-out."

10. I'm going outside.

Hint: Select the pronoun "*I*" and then look for "-'m."
Select the word "*out*" and then look for "-side."

11. That is the best way to go.

Hint: Notice how "best" and "way" appear after "the."

12. I will be ready in a little while.

Hint: Notice how "ready," "little," and "while" appear as logical next words.

13. ACTIONS A - Z

I like to paint. Do you like to ski? I really love fishing.

Hint: Select *ACTIONS A - Z* and then "*p*", "*s*", and "*f*" to find those actions.

14. DESCRIBE A - Z

You are so kind. I feel very chilly. That is really wonderful.

Hint: Select *DESCRIBE A - Z* and then "*k*", "*c*", and "*w*" to find those describing words.

Computer Access and WordPower for Series 5

Computer access with Series 5 can be achieved in two ways:

- Internal computer access using OnScreen Keyboards.
- External computer using the DynaVox AccessIT.

Internal Computer Access and OnScreen Keyboards

Individuals with "open" Series 5 devices can take advantage of the integrated computer access features. With an open Series 5 device, the Windows features can be controlled with:

- A standard USB keyboard and USB mouse.
- The touch screen.
- OnScreen keyboards that have been designed for WordPower and Picture WordPower.

To access the WordPower onscreen keyboards, select:

- WordPower - *Computer* on the main page
- Scanning WordPower - *OnScreen Keyboards* on the main page
- 100, 60, and 46 WordPower - *WORD GROUPS > OnScreen keyboards*

External Computer Access with DynaVox AccessIT

Individuals who have a "dedicated" Series 5 device, or individuals with vision and access issues may choose to access a remote computer for Internet access, word processing and other purposes. If an individual wants to use the Series 5 device for wireless computer access, the AccessIT infrared device must be connected to the computer.

Computer Access with AccessIT

Follow the steps below to set up computer emulation with an AccessIT infrared device.

1. (*On the computer.*) Plug the AccessIT into a USB port on your computer.
2. (*On the Series 5 device.*) In the *Setup* menu, choose **Input/Output Settings**.
3. In the *Computer Access* drop-down menu, select **AccessIT**.

4. Select **OK** to close the *Input/Output Settings* menu.
5. Select **OK** to close the *Setup* menu.
6. Go to the main computer access page of WordPower and select the **Alternate Output** button.
7. Select the **Enable Alternate Output** check box.
8. Select **AccessIT** in the *Alternate Output Destination* drop-down menu.
9. Select **OK**.

Use the *Computer Access* pages to perform computer functions and navigate the Internet. To send text to the computer, compose sentences with WordPower for Series 5 main pages. Selecting the Message Window will send the text to the computer. When you are finished accessing your computer, access your device's *Alternate Output* menu and deselect *Enable Alternate Output*.

Computer Emulation Notes

Be sure to read the notes below to make the most of the command buttons provided on the computer access pages in WordPower for Series 5.

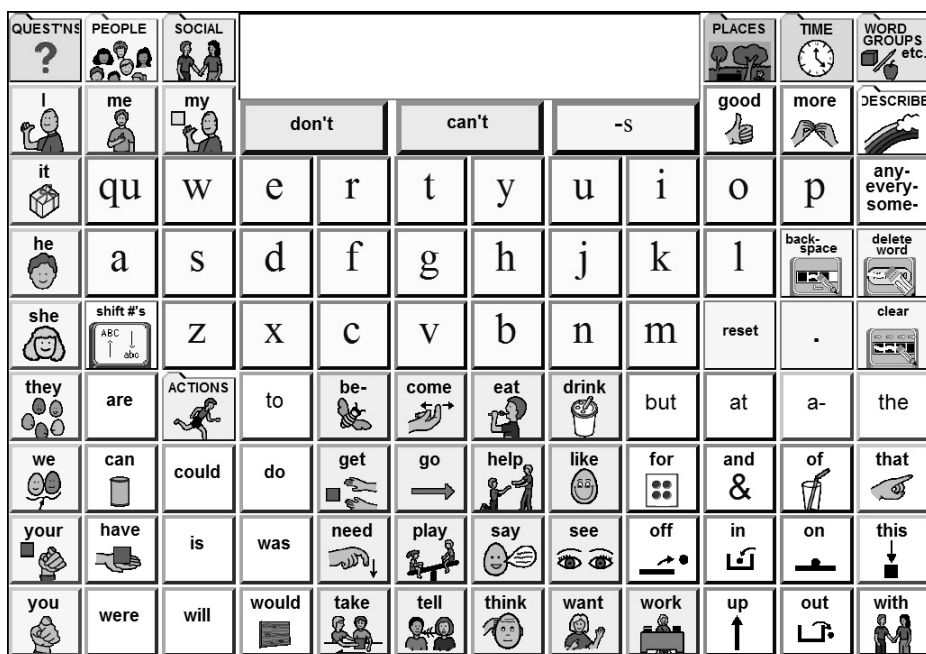
- **Start menu.** Start menu items can be accessed by entering the first letter of a program name or using the arrow buttons. Use the *Enter* button to access an item.
- **Alt button.** The *Alt* button can be used to select any item with an underlined letter in its name. The underlined letter is used in combination with the *Alt* button. For example, **E**ile is accessed by selecting the **Alt** button and the **F** button.
- **Ctrl button.** Many common keyboard shortcuts are made available with this button:

CTRL + A	Select All	CTRL + P	Print
CTRL + B	Bold	CTRL + S	Save
CTRL + C	Copy	CTRL + U	Underline
CTRL + F	Find	CTRL + V	Paste
CTRL + I	Italicize	CTRL + X	Cut
CTRL + N	New File	CTRL + Y	Redo
CTRL + O	Open Document	CTRL + Z	Undo

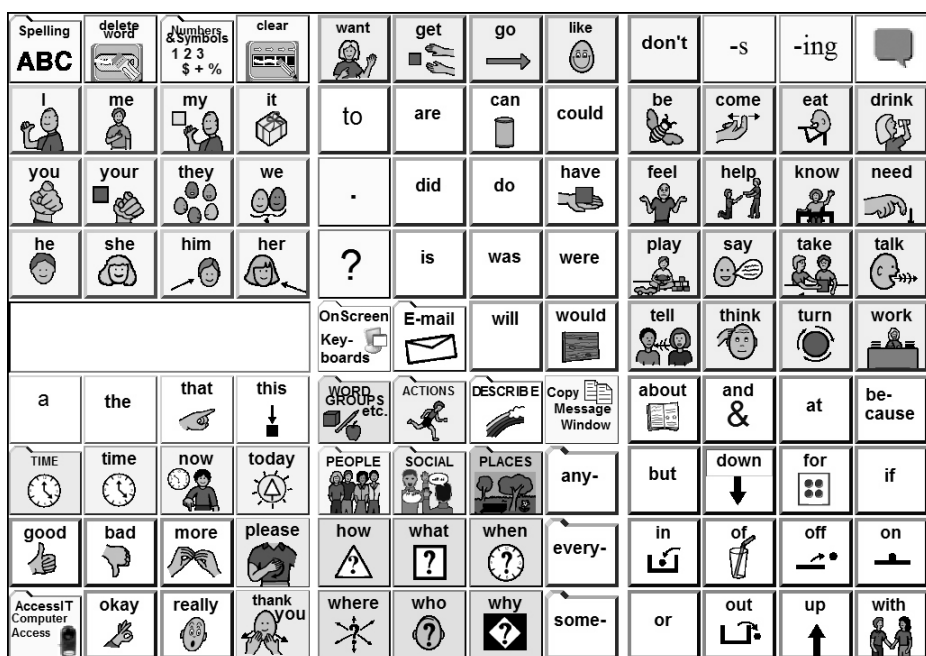
- **Escape button.** Like *Cancel*, the *Escape* button will close any menu.
- **Screen Toggle button.** Selecting this button allows you to move between open programs on the desktop.
- **Tab button.** Selecting the *Tab* button will allow you to move through any menu.
- **Green buttons.** The pale green buttons in the top left corner of the computer access pages enable Internet and email access.

WELCOME TO PICTURE WORDPOWER FOR DYNAVOX SERIES 5

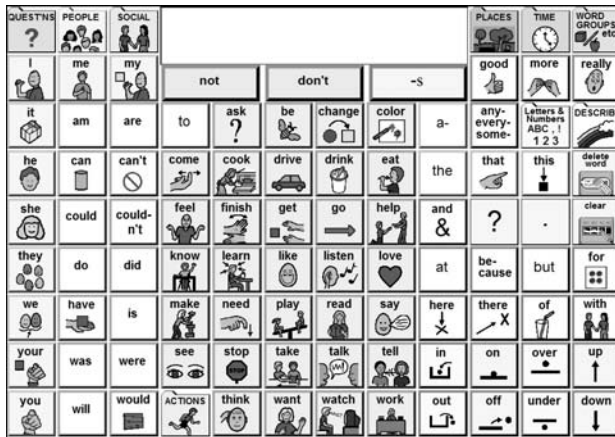
The Picture WordPower for Series 5 applications are based on words and picture support, as well as spelling and categories. They are available in both direct selection and scanning versions.



Picture WordPower for Series 5

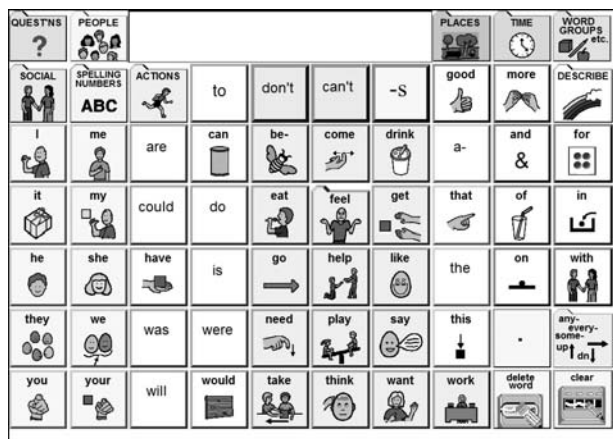


Scanning Picture WordPower for Series 5



Picture WordPower for Series 5 - No Keyboard Version

For some individuals who are being introduced to Picture WordPower for Series 5, you may choose to begin with a core page that has no keyboard and features larger buttons than the original.

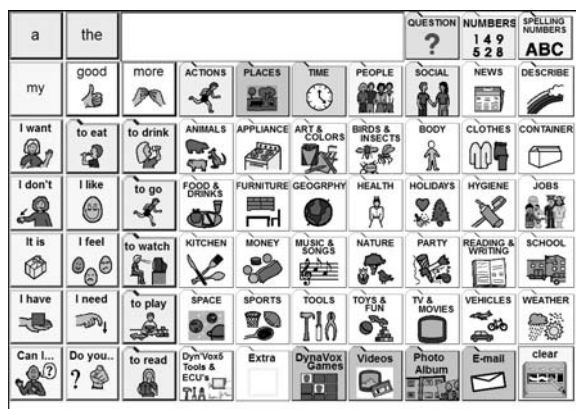


Picture WordPower for Series 5 - 60 Location Version

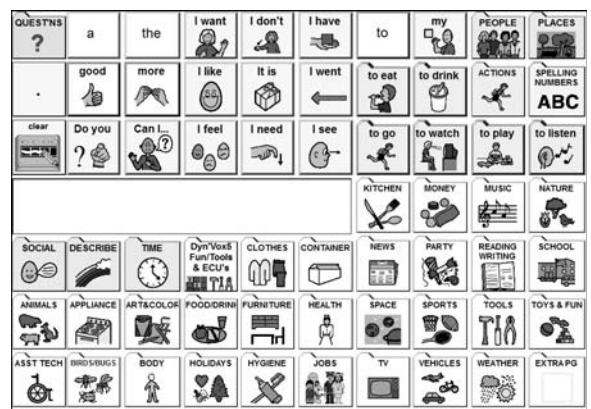
This version is Picture WordPower for Series 5 with a 60-location, larger cell arrangement. It works with the DynaVox Series 5 60-location keyboard.

Picture WordPower for Series 5 - Phrase and Category Version

For some individuals who have difficulty with a purely word-based vocabulary, the Phrases and Categories version may prove to be a better option. This vocabulary is based on carrier phrases and semantic categories.



Picture WordPower Phrases & Categories



Scanning Picture WordPower Phrases & Categories

What is Picture WordPower for Series 5?

Picture WordPower for Series 5 is a version of WordPower that uses both written words and pictures to represent language. Picture WordPower for Series 5 may be used as an alternative to WordPower for Series 5 or as a way to introduce an individual to a word-based vocabulary. Reasons for choosing Picture WordPower for Series 5 may include the following:

- **Access.** Picture WordPower for Series 5 buttons are larger and easier to access.
- **Vision.** Picture WordPower for Series 5 buttons are larger and easier to see.
- **Literacy.** A user's literacy skills may require picture support to enhance comprehension.
- **Age.** Children who are just learning to read should begin with Picture WordPower for Series 5.

Picture WordPower for Series 5 is a unique vocabulary application designed specifically for augmentative and alternative communication (AAC) devices. It combines the features of core vocabulary, spelling and word prediction. The WordPower system is based on the fact that though most people may have a normal speaking vocabulary of between 10,000 and 30,000 words, a core vocabulary of just 100 words accounts for approximately 50 percent of the words spoken. This fact is supported by a 1967 study by Kucera and Francis, analyzing written language samples for word frequency. This study revealed the following.

- The 10 words that are used the most frequently account for 24 percent of written text.
- The 50 words that are used the most frequently account for 41.2 percent of written text.
- The 100 words that are used the most frequently account for 48.1 percent of written text.

The following is a sample of those frequently-used core words:

I	To	You	The	That	Have
A	It	My	And	Of	Will
In	Is	Me	On	Do	Was

Words like the core words shown above are repeated over and over in our language. Picture WordPower for Series 5 uses a set of these core words in conjunction with spelling and word prediction. Single words are programmed as single-selection buttons or they are programmed into a category-based popup. Popup vocabulary can be accessed in either two or three selections. An individual should be able to categorize in order to use this system successfully. Her or she should also have a beginning level of literacy that includes the ability to recognize letters and some sight words.

WordPower was originally designed for an individual who needed an augmentative communication device based on words. A system that offered only pre-stored sentences would not meet his communication needs. While the individual could see the advantages of a picture-based system with symbol sequencing, he did not want to learn the complex language coding system. At the same time, he wanted more than a system based solely on spelling and word prediction. WordPower provided this individual with fast and efficient language, and minimal time and effort was required to learn the system.

In Picture WordPower for Series 5, the core words are categorized, color-coded and alphabetized for easy access. The main semantic categories include the following:

- Questions
- Pronouns
- Helping verbs
- Articles
- Describing words
- Time words
- Interjections
- Negatives
- Verbs
- Prepositions and conjunctions
- Indefinite pronouns

The word prediction system of Picture WordPower for Series 5 has also been customized by using the DynaVox Series 5 prediction setting *Don't Predict Words Already on Buttons*. The word predictor is set up so that the Picture WordPower for Series 5 core words are not predicted at all. This way the word prediction buttons are reserved for less common words and word derivatives that the system operator cannot access from the core. Word prediction for Picture WordPower for Series 5 also includes Recency.

Semantic categories available on the *Main* page of Picture WordPower for Series 5 include the following:

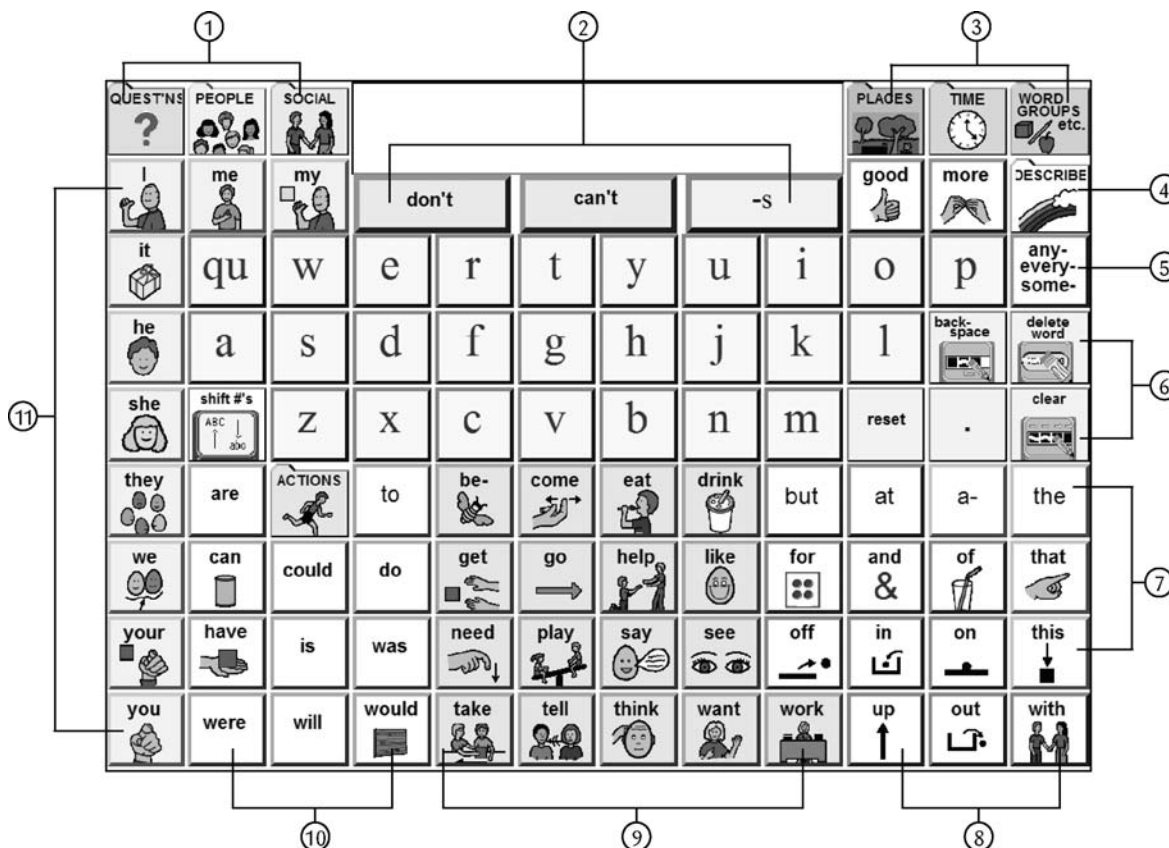
- Articles
- Describing Words
- Negatives
- Prepositions
- Conjunctions
- Places
- Pronouns
- People
- Questions
- Social
- Time words
- Verbs and helping verbs

Semantic categories available on the *Word Groups* page of Picture WordPower for Series 5 include:

- Animals
- Appliances
- Art
- Assistive technology
- Birds and insects
- Body
- Clothes
- Food and drinks
- Furniture
- Geography
- Health
- Holidays
- Hygiene
- Jobs
- Kitchen Utensils
- Money
- Music
- Nature
- News
- Numbers
- Party
- Reading & Writing
- School
- Sports
- Tools
- Toys and activities
- TV
- Vehicles
- Weather
- Work

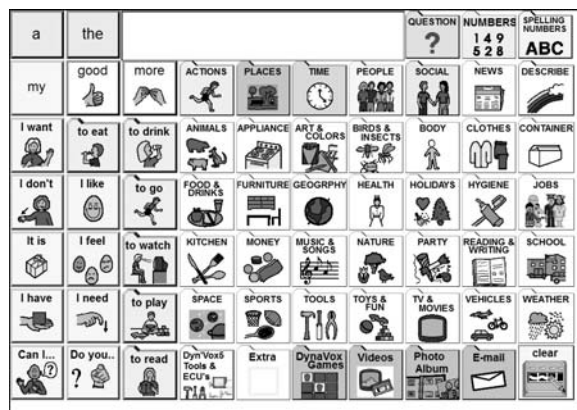
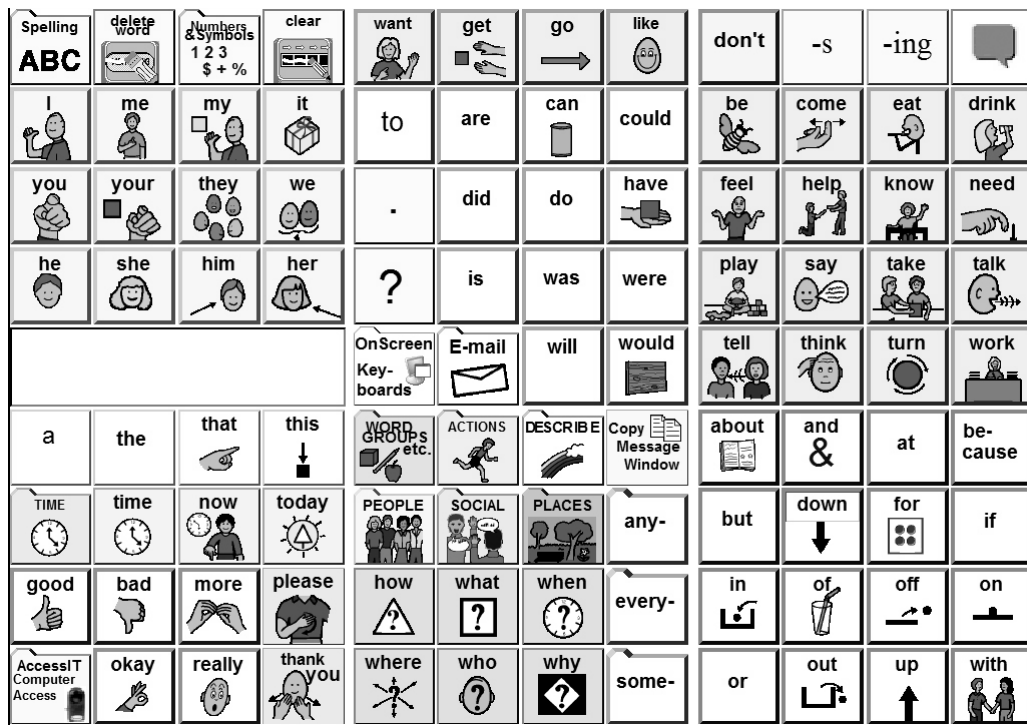
Getting Started - Picture WordPower for Series 5 Overlay Design

The illustration below provides an example of the way different types of vocabulary have been organized on the main page of Picture WordPower for Series 5. The numbered lines point to buttons or groups of buttons that have been labeled in the button beneath the picture.

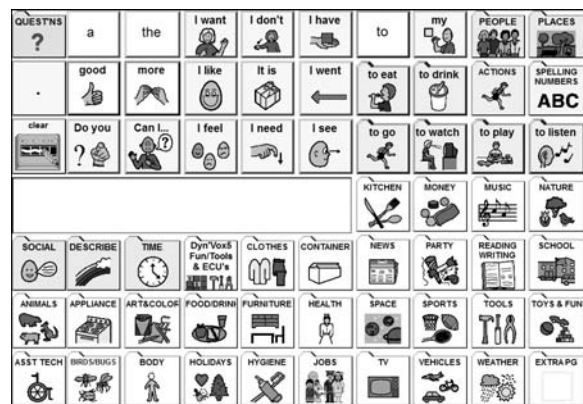


1. Categories
2. Negatives, Plural-s and word prediction buttons
3. Categories
4. Describing words
5. Indefinite pronouns
6. QWERTY keyboard
7. Articles
8. Prepositions and Conjunctions
9. Verbs
10. Helping verbs
11. Pronouns

Getting Started - Scanning Picture WordPower for Series 5 Overlay Design



Picture WordPower Phrases & Categories



Scanning Picture WordPower Phrases & Categories

DynaVox Tools and Picture WordPower for Series 5

Picture WordPower for Series 5 has been specifically designed to work with several of the tools and commands that are features of DynaVox Series 5 software. Many of these tools can be accessed with the *DynaVox Tools* button. Picture WordPower for Series 5 uses the following tools:

- **Volume Control.**
- **Screen Settings.**
- **Environmental Controls.**
- **Music Player.**
- **Calculator.**
- **Full Screen On/Off.**
- **Files.** DynaVox Series 5 software offers the ability to save text into files. Commands such as "load file," "save file" and "save file as" provide access to the data in your files.
 - Looks for "Files" on the *WORD GROUPS* page.
- **Saved Messages or "Copy to 'Insert Text.'"** This tool allows the quick assignment of phrases and sentences to DynaVox buttons.
 - Looks for "News" on the *WORD GROUPS* page.
- **Email.** DynaVox Technologies offers one free email account for every Series 5 device. Contact DynaVox Technical Support (at www.dynavoxtech.com or 1-866-DYNAVOX) for assistance in setting up your new email account. The DynaVox Series 5 software simplifies the process of setting up your DynaVox email.

To add email addresses to your device:

1. Select the **Email** button in your Picture WordPower for Series 5 page set.
2. Select the **Email Browser** button.
3. Select the **Addresses** button and add the new address(es).

Once the addresses have been added to the browser:

1. Select the **Quick Email** button.
2. Customize the buttons by changing the button labels and editing the Quick Email behaviors.
 - Picture WordPower - *WORD GROUPS > Email*
 - Scanning Picture WordPower - main page
 - Phrases and Categories - *DynaVox Tools* on the main page

-
- **My Phrases Button.**



- **Maestro Camera.** The DynaVox Maestro has a built-in camera. These pages provide instruction and access to use the camera.
- **Computer Access.** The Series 5 device can access an external computer using the AccessIT. An open Series 5 device enables individuals to use their device for communication and as a computer.

To access the computer access "AccessIT" pages:

- Picture WordPower - *WORD GROUPS > Computer-AccessIT*
- Scanning Picture WordPower - *AccessIT Computer Access* on the main page

Picture WordPower Onscreen Keyboards are designed to assist in controlling the integrated computer of the open Series 5 device.

- Picture WordPower - *WORD GROUPS > OnScreen Keyboards*
- Scanning Picture WordPower - *OnScreen Keyboards* on the main page

You can now send text from Picture WordPower directly to an open document on the Series 5 device by selecting the Open WordPad and send text button. You can then add additional text to an open document with the Send text to open Window button.

- Picture WordPower - *WORD GROUPS > Open WordPad and Send Text*
 - Scanning Picture WordPower - *main page > OnScreen Keyboards > Open WordPad and Send Text*
 - Phrases and Categories - *DynaVox 5 Tools* on the main page > *OnScreen Keyboards*
- **Kurzweil Access.** Kurzweil reading software can now be controlled on an external computer via AccessIT, or directly on the Series 5 device (if it has been installed). Specific pages have been setup to control Kurzweil through WordPower for external access (AccessIT) and internal access (OnScreen Keyboards).
 - Picture WordPower - *WORD GROUPS > Kurzweil links*
 - Scanning Picture WordPower - *OnScreen Keyboards or AccessIT Computer Access* on the main page
 - **New and fun DynaVox Series 5 Options:**
 - DynaVox games
 - eBook Reader
 - Videos
 - Photo capabilities

Practice Sentences for Picture WordPower for Series 5

Single words and popups are accessed from the main page. Remember that words are alphabetized within categories. Also remember to look for word endings on the second row. (Practice sentences for Phrases and Categories are separate, and will follow this set of sentences)

1. I want to eat with you.

Hint: Select the "smart period" to speak the sentence.

2. I don't think I need that!

Hints: Press the shift button to access the "smart !" that will also speak the sentence.

On the 60-location version, select *Spelling/Numbers* to access the "smart !" "

3. Do you think it will help?

Hint: Select the Shift button or the *Question* button to access the "smart ?" that will also speak the sentence.

4. I can do it myself.

Hint: Select *my* and look for "-self" in the word completion row.

5. It is not your turn to go. It is my turn.

Hint: Select *your* and *my* and then look for "turn."

6. Everybody needs help sometimes.

Hint: Select the *any- every- some-* button to say "everybody" and "sometimes."

7. I don't know anything about that.

Hints: Select the *any- every- some-* button to say "anything."

On the 60-location version, select *a-* to find "about."

8. I want to go outside.

Hints: Select the out button to find "-side."

On the 60-location version, select the *any- every- some-* button to find "out."

9. When do you want to go with me?

Hint: Select the ? button to say "when" and the "smart ?" button to speak the sentence.

10. I am going to get something to eat.

Hint: Select the *any- every- some-* button to say "something."

11. I don't know where to go.

Hints: Select *don't* and look for "know" on the logical next word button.
Select the ? button to say "where."

12. I didn't (did not) know what to do.

Hint: Select *did* and look for the negative "-n't." (For scanning, you will say "I did not...")

13. Are you feeling good?

14. I feel really happy about that.

Hints: For Picture WordPower-100, find "really happy" on the *Describe* page.
For PWP 60-locations, select *a-* and look for "about."

15. You can not go because you don't work.

Hint: For PWP 60-locations, select *be-* and look for "because."

16. She doesn't have anything to do.

17. I thought a lot about you.

Hint: Select *think* and then select the *-ed* button to say "think."
Select *a-* and look for the logical next word, "lot."

18. I will help you when I can.

19. It will be 8:45 when I get to the bus.

Hints: Select the Shift button or go to the *Numbers* page to say "8:45."
Find "bus" on the *Places* page.

20. We can do whatever you feel like doing.

Hint: Select the ? button and look for "what," then select *-ever*.

21. He said you would do it yourself.

Hint: Select *say* and then *-ed* to say "said." Select *your* and look for "-self."

22. She is doing it herself.

Hint: Select *People* to say "her" and then look for "-self."

23. I want my red shirt.

Hint: Find "red" and "shirt" on the *Clothes* page.

24. Something hurts, it's my ear.

Hint: Select the *Body* page or the *Health* page and look for the phrase "Something hurts..."

25. I need help with my DynaVox.

Hint: Find "DynaVox" on the *Asst Tech* page. Notice that each of the *Word Groups* pages includes the options for plural "-s" and "and."

26. I want a sandwich and a cookie please.

Hint: Speak this entire sentence using the *Food & Drinks* page.

27. I like football and Nascar racing.

Hint: Say "football and Nascar racing" by using the *Sports* page.

28. I went to Maryland on Sunday.

Hint: Access states on the *Geography* page. Find "Sunday" on the *Time* page.

29. I need 3 quarters and 2 dimes.

Hint: Say "3 quarters and 2 dimes" by using the *Money* page.

30. I want to watch American Idol and Discovery Channel.

Hint: Speak this entire sentence by using the *TV* page.

31. We are learning about the planets Mars and Jupiter.

Hints: Select *Actions* to find learn and then "-ing." Select *a-* and look for "about."
Select the *Space* page to find "planets," "Mars" and "Jupiter."

32. The weather was very cloudy and rainy yesterday.

Hint: Speak this entire sentence by using the *Weather* page.

33. Merry Christmas and Happy New Year.

Hint: Speak this entire sentence by using the *Holidays* page.

34. I wanted to go with my friends.

Hint: Find "friend" on the *People* page and then look for the plural "-s."

35. It is time to go I think.

Hint: Select the *Time* page to find "time."

36. She is bigger than I am.

Hint: Select the *Describe* page to find "big" and then look for "-er" and "than."

37. I will go to Burger King for lunch.

Hint: Select the *Places* page to find "Burger King" and select the *Eat/Drink* page to find "lunch."

38. When can you help me get dressed?

Hint: Select the *Questions* to find "when." Select the *Actions* page to find "dress."

39. I like plants and flowers.

Hint: Select the *Nature* page to find "plants" and "flowers."

Practice Sentences for DynaVox Picture WordPower - Phrases and Categories

The Phrases and Category vocabularies consists of "carrier phrases" that are used to initiate phrases and sentences. Remember that words are alphabetized within categories.

1. I want to eat french fries and pizza.
2. I like to eat pancakes and bacon.
3. I don't like to eat peanut butter and jelly.
4. I want to drink juice please.

Hint: Notice that "please" is on the *Food and Drinks* page.

5. I don't need it.
6. I want more please.

Hint: Find "please" on the *Social* page.

7. I want to go to McDonald's.
8. I want to play with Play Station.

Hint: Notice that "with" is on the *Toys and Fun* page.

9. I don't want to play bubbles.
10. I like to watch American Idol.
11. Do you like to watch Discovery Channel?
12. I feel good. I feel happy. I feel tired. I feel hungry.

Hint: Add any new feelings to the *Feelings* page.

13. I don't feel very good.
14. I need my medicine.

Hint: Add any specific needs to the *Needs* page.

15. Can I go to the beach?
16. I like to read.

17. I like to ride.

Hint: Select *to* and then select *ride* on the *Actions* page.

18. I don't want to swim.

Hint: Select *to* and then select *swim* on the *Actions* page.

19. I want to call my friend.

Hint: Find "friend" on the *People* page.

20. I want my red shoes and blue pants.

Hint: Select the *Clothes* page to say "red shoes" and "blue pants."

21. I have a headache. I have a stomach ache.

Hint: Select the *Health* page to say these sentences.

22. The weather is very cloudy today. The weather was sunny yesterday.

Hint: Select the *Weather* page to say these sentences.

23. Today is (day), (month) (#), (year).

Hint: Select the *Time* page to say this sentence.

24. I like baseball and Nascar racing.

Hint: Select the *Sports* page to say "baseball" and "Nascar racing."

25. Something hurts, it's my....

Hint: Select the *Body* page or the *Health* page and look for the phrase "Something hurts."

26. I need my mom.

27. Merry Christmas and Happy New Year.

Hint: Speak this entire sentence by using the *Holidays* page.

Computer Access and Picture WordPower for Series 5

Computer access with Series 5 can be achieved in two ways:

- Internal computer access using OnScreen Keyboards.
- External computer using the DynaVox AccessIT.

Internal Computer Access and OnScreen Keyboards

Individuals with "open" Series 5 devices can take advantage of the integrated computer access features. With an open Series 5 device, the Windows features can be controlled with:

- A standard keyboard and mouse.
- The touch screen.
- OnScreen keyboards that have been designed for WordPower and Picture WordPower.

To access the Picture WordPower onscreen keyboards, select:

- 100 and 60 Picture WordPower - *WORD GROUPS > OnScreen Keyboards*
- Scanning Picture WordPower - *OnScreen Keyboards* on the main page
- Picture WordPower Phrases and Categories - *DynaVox5 Tools & ECUs*

External Computer Access with DynaVox AccessIT

Individuals who have a "dedicated" Series 5 device, or individuals with vision and access issues may choose to access a remote computer for Internet access, word processing and other purposes. If an individual wants to use the Series 5 device for wireless computer access, the AccessIT infrared device must be connected to the computer.

Computer Access with AccessIT

Follow the steps below to set up computer emulation with an AccessIT infrared device:

1. (*On the computer.*) Plug the AccessIT into a USB port on your computer.
2. (*On the Series 5 device.*) In the *Setup* menu, choose **Input/Output Settings**.
3. In the *Computer Access* drop-down menu, select **AccessIT**.
4. Select **OK** to close the *Input/Output Settings* menu.
5. Select **OK** to close the *Setup* menu.

6. Go to the main computer access page of WordPower and select the **Alternate Output** button.
7. Select the **Enable Alternate Output** check box.
8. Select **AccessIT** in the *Alternate Output Destination* drop-down menu.
9. Select **OK**.

Use the *Computer Access* pages to perform computer functions and navigate the Internet. To send text to the computer, compose sentences with WordPower for Series 5 main pages. Selecting the Message Window will send the text to the computer. When you are finished accessing your computer, access your device's *Alternate Output* menu and deselect *Enable Alternate Output*.

Computer Emulation Notes

Be sure to read the notes below to make the most of the command buttons provided on the computer access pages in WordPower for Series 5.

- **Start menu.** Start menu items can be accessed by entering the first letter of a program name or using the arrow buttons. Use the *Enter* button to access an item.
- **Alt button.** The *Alt* button can be used to select any item with an underlined letter in its name. The underlined letter is used in combination with the *Alt* button. For example, **File** is accessed by selecting the **Alt** button and the **F** button.
- **Ctrl button.** Many common keyboard shortcuts are made available with this button:

CTRL + A	Select All	CTRL + P	Print
CTRL + B	Bold	CTRL + S	Save
CTRL + C	Copy	CTRL + U	Underline
CTRL + F	Find	CTRL + V	Paste
CTRL + I	Italicize	CTRL + X	Cut
CTRL + N	New File	CTRL + Y	Redo
CTRL + O	Open Document	CTRL + Z	Undo

- **Escape button.** Like *Cancel*, the *Escape* button will close any menu.
- **Screen Toggle button.** Selecting this button allows you to move between open programs on the desktop.
- **Tab button.** Selecting the *Tab* button will allow you to move through any menu.
- **Green buttons.** The pale green buttons in the top left corner of the computer access pages enable Internet and email access.

