

Apple First-Level VoiceOver Commands

Press Control-Option with the designated key

Cancel mode esc	Application summary F1**	Window summary F2**	VoiceOver cursor F3	Keyboard focus F4	Mouse focus F5**	Selection description F6	F7	VoiceOver Utility F8	F9	Tile visuals F10	Hide/Show visuals F11	F12	⬆
Move window/object ⌘	Jump to hot spot 1	Jump to hot spot 2	Jump to hot spot 3	Jump to hot spot 4	Jump to hot spot 5	Jump to hot spot 6	Jump to hot spot 7	Jump to hot spot 8	Jump to hot spot 9	Jump to hot spot 0	-	Toggle table grouping =	Delete ruler marker delete
Ignore next command tab	Q	Read word W**	E	Read row in table R	Text attributes T	Y	Web Item rotor U	Item Chooser I	O	Read paragraph P	Jump before splitter [Jump after splitter]	Expand/Collapse item \\
caps lock	Read All A***	Read sentence S	Dock D	Find text F	Find next searched text G	VoiceOver Help menu H**	Jump to linked item J	Keyboard help K	Read line L	Lock/Unlock VO keys ;	,	Select a menu or list item return	
shift	Repeat last output Z	X	Read char or col header C**	Verbosity settings V*	Read from top to VO cursor B	N	Menu bar M**	,	.	/	shift		
fn	ctrl	option	⌘ ⌘	Perform the default action for the selected item					⌘ ⌘	enter	Previous line page ⬆		
											Previous word ⬅ home	Next line page ▼	Next word end ➡

- VoiceOver Activation keys
(called the VO keys)
- Settings and Visuals
- Orientation and Help
- Navigation
- Operation keys
- Interaction
- Text and Reading

* Press Control-Option-V, then the Left Arrow or Right Arrow to choose a verbosity setting, such as typing echo or links. Press the Up Arrow or Down Arrow to change the setting. Press Escape to exit the settings.

** Press some keys multiple times to hear more information.
F1, F2, H: press twice to open the Application Chooser, the Window Chooser, and the Commands menu, respectively.
F5: press two or three times to hear the mouse location in different ways.
C: press twice to hear the contents of a column from the VoiceOver cursor to the bottom of the column.
W: press twice to spell a word, and three times to spell it phonetically.
M: press twice to jump to status menus in the menu bar, and three times to jump to the Spotlight menu.

*** When interacting with text, reads from the VoiceOver cursor to the bottom.

Home and End move the VoiceOver cursor to the top or bottom of what's visible in the VoiceOver cursor, or to the first or last visible word in text, or to the first or last cell in a table.
Page Up and Page Down read the previous and next page, respectively. On portable computers, you may need to press the Fn key with the arrow keys for Home, End, Page Up, and Page Down.

Apple Second-Level VoiceOver Commands

Press Control-Option-Shift with the designated key

esc	F1	Move window to front F2	Toggle cursor tracking F3	Move VO to keyboard F4	Move VO to mouse F5	F6	F7	F8	Resize/Move braille panel F9*	Resize/Move caption panel F10*	Screen curtain F11	F12	⏏
Reset window/object ~	Set/Remove hot spot 1	Set/Remove hot spot 2	Set/Remove hot spot 3	Set/Remove hot spot 4	Set/Remove hot spot 5	Set/Remove hot spot 6	Set/Remove hot spot 7	Set/Remove hot spot 8	Set/Remove hot spot 9	Set/Remove hot spot 0	-	=	delete
tab	Q	Read visible content W	E	R	Read row/col numbers T	Y	Read link URL U	Read webpage statistics I	O	P	Shrink item in VO cursor {	Magnify item in VO cursor }	Sort column
caps lock	Select text in VO cursor A	Scrolling S	Desktop D	Open Find menu F	Find previous searched text G	Read item help tag H	Jump to edges J**	Toggle Keyboard Commander K	L	;	,	return	
shift		Save spoken phrase to file Z	X	Copy last phrase to Clipboard C	V	B	Read item instructions N	Shortcut menu M	,	.	?	shift	
fn	ctrl	option	⌘	Mouse click (press twice for double-click)					⌘	enter	Previous character ◀ home	Stop interacting page ▲	Next character end ▶

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* Press this command again to choose move or resize, then press arrow keys to change the location or size of the braille or caption panel. Press Shift with the arrow keys for smaller increments.

** In tables, text, Mail, iChat, and iTunes, after this command press VO-arrow keys to move to the visible edge of the area. Press Control-Option-Shift-arrow keys to move to the extreme edge of the area.

Home and End move the VoiceOver cursor to the top or bottom of the item in the VoiceOver cursor, scrolling if necessary. Page Up and Page Down read the previous and next paragraph, respectively. On portable computers, you may need to press the Fn key with the arrow keys for Home, End, Page Up, and Page Down.

Apple Third-Level VoiceOver Commands

Press Control-Option-Command with the designated key

esc	F1	Close window F2	Item size F3***	Move keyboard to VO cursor F4****	Move mouse to VO cursor F5	F6	F7	VoiceOver Quick Start F8	Hide/show braille panel F9	Hide/show caption panel F10	F11	F12	⏏
-	Describe hot spot 1*****	Describe hot spot 2*****	Describe hot spot 3*****	Describe hot spot 4*****	Describe hot spot 5*****	Describe hot spot 6*****	Describe hot spot 7*****	Describe hot spot 8*****	Describe hot spot 9*****	Describe hot spot 0*****	-	=	delete
tab	Find next blockquote Q*	Find next blockquote same level W*	Find next misspelled word E*	R	Find next table T*	Find next column Y*	Find next underlined text U*	Find next italic text I*	Find next font change O*	Find next plain text P*	Find previous web spot [Find next web spot]	Jump back to parent row/folder \\
caps lock	A	Find next item of same type/style S*	Find next item of different type/style D	Find next frame in HTML F*	Find next graphic G*	Find next heading H*	Find next control J*	Find next color K*	Find next link L*	;	,	return	
shift	Z	Find next list X*	Find next style change C*	Find next visited link V*	Find next bold text B*	Find next auto web spot N*	Find next heading of same level M*	,	.	/	shift		
fn	ctrl	option	⌘	Multiple selection					⌘	enter	Previous ◀ home**	Increase setting value page ▲	Next end ▶**

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- * Press Shift with this command to move to the previous occurrence.

** Press Control-Option-Command-Right Arrow or Control-Option-Command-Left Arrow to change speech settings, such as rate or volume. Then press Control-Option-Up Arrow or Control-Option-Down Arrow to increase or decrease the setting, respectively.
- *** Press F3 twice to hear the item position.

**** When cursor tracking is off, Control-Option-Command-F4 selects a single item or deselects multiple items.

***** Press Shift with this command to monitor the hot spot
- Home moves the VoiceOver cursor to the top-left corner of the window. End moves it to the bottom-right corner of the window. On portable computers, you may need to press the Fn key with the arrow keys for Home, End, Page Up, and Page Down.