

*Recommended browser: Safari*

## Getting Started

Command + F5 starts the VoiceOver program. VoiceOver uses the Control and Option keys before each command. The combination is referred to as VO in the tables. The VO keys can be locked so that they do not need to be pressed to perform VoiceOver commands by pressing VO + ;.

## The Basics

Task	Command
Start (or stop) VoiceOver	Command + F5
VoiceOver activation keys (or VO keys)	Control + Option (referenced as VO)
Start reading	VO + A
Stop reading	Control
Open rotor (see explanation below)	VO + U
Go to next/previous focusable item (link, button, input, etc.)	Tab/Shift + Tab
Activate link	Enter
Activate button	Enter or Space Bar
Read next/previous item	VO + Right or Left Arrows
Go to next heading	VO + Command + H
Go to next table	VO + Command + T
Navigate table cells	VO + Arrow Keys
Go to previous (heading, table, etc.)	VO + Shift + Command + (H, T, etc.)
Interact with (go into/out of) objects (like iframes, menus, application regions, etc.)	VO + Shift + Down/Up Arrows

## The Rotor

The VoiceOver rotor allows users to rotate through a list of webpage elements. Open the rotor by pressing VO + U. When the rotor is open, pressing the right and left arrow keys will select between different elements, including Tables, Frames, Images, Headers (heading elements), Links, Auto Web Spots (automatically generated list of structural and significant items on the page), Form controls, Web spots (user-identified page areas), Visited links, and Non-visited links. Once a page element type is selected, use the Up Arrow and Down Arrow to select a particular element and Enter to activate it. Escape exits the rotor.

Within the rotor, you can begin typing to filter the available elements. For example, with the Headers rotor open, pressing "2" will filter to second level headings. Typing "nav" will filter to the headings that contain those characters.

## Reading Text

Task	Command
Start reading	VO + A
Stop reading	Control
Read next item	VO + Right Arrow
Read previous item	VO + Left Arrow
Read paragraph	VO + P
Read sentence	VO + S
Read word (press W multiple times to spell words alphabetically and phonetically)	VO + W
Read from top to current location	VO + B
Jump to top of page (using desktop keyboards)	VO + Home
Jump to top of page (using laptop keyboards)	VO + Fn + Left Arrow
Jump to bottom of page (using desktop keyboards)	VO + End
Jump to bottom of page (using laptop keyboards)	VO + Fn + Right Arrow
Select speech setting option (speaking rate, voice, pitch, etc.)	VO + Command + Right Arrow or Left Arrow
Modify the selected speech setting	VO + Command + Up Arrow or Down Arrow

## Tables

Task	Command
Read column header	VO + C
Read row from VO cursor location to end of row	VO + R
Read column from VO cursor location to bottom of column	VO + R + C
Move up or down in a column	Up Arrow or Down Arrow
Move across a row	Left Arrow or Right Arrow

## Basic Navigation

Task	Command
Next link or form control	Tab
Next link	VO + Command + L
Next heading	VO + Command + H
Next form control	VO + Command + J
Next table	VO + Command + T
Next list	VO + Command + X
Next graphic	VO + Command + G
Activate a link or form control	VO + Space Bar

*Full list of commands: <http://tinyurl.com/commands-voiceover-osx>*