## deque Desktop Screen Readers Survival Guide

## Basic Keyboard Commands for Reading and Navigating Web Content

Not available   Control + Alt + N	Task	JAWS	NVDA	Narrator	VoiceOver
Turn screen reader off  Insert + F4  Insert + Q  Insert + Q  Insert + Q  Control  Co	TdSK	JAW3	INVUA	Narrator	VoiceOver
Stop reading Control Down Arrow Down Arrow Caps Lock + Right Arrow* VO + Right Arrow VO + Lift Arrow Right Arrow VO + Right Arrow VO + Right Arrow VO + Lift Arrow Caps Lock + Right Arrow VO + Lift Arrow VO + Lift Arrow VO + Space Bar Inter or Spac	Turn screen reader on	Not available	Control + Alt + N	Enter	Command + F5
Read next item Read previous free Read previous free Read next focusable item (e.g. link, button) Activate link  Activate link  Activate button  Enter or Space Bar  Insert + Down Arrow  Or Numpad Plus  H**  YO - Space Bar or Enter or Space Bar  Insert + Down Arrow  or Caps Lock + Enter or Enter or Space Bar  Caps Lock + Enter or Space Bar  Enter or Space Bar  Insert + Down Arrow  or Numpad Plus  H**  YO - Space Bar or Enter or Space Bar  Insert + Down Arrow  or Caps Lock + Enter or  Enter or Space Bar  Insert + Down Arrow  or Caps Lock + Control + R  YO - A  YO - Octomand + H  YO - Command + T  Caps Lock - For F7], then  Lab to the Scoping drop-  down list  Octor on ext table  T T T T T**  Navigate table cells  Control + Alt + Arrow  Keys  So to next list tem  I I I Not available  YO - Command + T  Control + Alt + Control + Alt +  Control + Alt +  Control + Alt +  Control + Alt +  Control + Alt +  Control + Alt +  Control + Alt +  Control + Alt +  Control + Alt +  Control + Alt +  Not available  YO - Command + T  VO + Command + T  VO + Command + T  VO + Command + T  Not available  VO + Command + T  Not	Turn screen reader off	Insert + F4	Insert + Q		Command + F5
Read previous item Read next focusable item (e.g. link, button) Tab	Stop reading	Control	Control	Control	Control
Read next focusable item (e.g. link, button)  Activate link  Activate link  Activate button  Enter or Space Bar  Activate button  Enter or Space Bar  Activate button  Enter or Space Bar  Start reading continuously from this point on Go to next heading  H  H  H  Show list of all headings  Go to next heading of level [1-6]  Go to next landmark/region  Go to the main content landmark  Open Elements List or Rotor  Go to next lable  T  Navigate table cells  Control + Alt + Arrow  Keys  Go to next list item  Go to next list frem  Go to next list frem  Insert + F7  Insert + F	Read next item	Down Arrow	Down Arrow	Caps Lock + Right Arrow*	VO + Right Arrow
Read next focusable item (e.g. link, button)  Activate link  Activate link  Activate button  Enter or Space Bar  Activate button  Enter or Space Bar  Activate button  Enter or Space Bar  Start reading continuously from this point on Go to next heading  H  H  H  Show list of all headings  Go to next heading of level [1-6]  Go to next landmark/region  Go to the main content landmark  Open Elements List or Rotor  Go to next lable  T  Navigate table cells  Control + Alt + Arrow  Keys  Go to next list item  Go to next list frem  Go to next list frem  Insert + F7  Insert + F	Read previous item	Up Arrow	Up Arrow	Caps Lock + Left Arrow*	VO + Left Arrow
Activate link  Enter or Space Bar  Activate button  Enter or Space Bar  Activate button  Enter or Space Bar  Activate button  Enter or Space Bar  Caps Lock + Enter or Space Bar  Caps Lock + Down Arrow or Caps Lock + Control + AV  VO + Space Bar or Enter or Space Bar  Enter or Space Bar  Enter or Space Bar  Insert + Down Arrow or Caps Lock + Control + AV  VO + U (Rotor), then Left/Right Arrow Keys  Enter or Space Bar  Insert + Down Arrow  or Caps Lock + P6  Down Arrow  Caps Lock + P6  Caps Lock	· ·	·	Tab	·	Tab
Activate button  Start reading continuously from this point on  Go to next heading  H  H  H  H**  VO + A  VO + Qaps Lock + Chornorl + R  VO + U (Rotor), then telf/Right Arrow Keys  Go to next heading of level [1-6]  Forms Made: (0n) (Automatic when in form ellement), (Off) Numpad Plus  Not available  Not		Enter or Space Bar	Enter or Space Bar^		VO + Space Bar or Enter
Start reading continuously from this point on Go to next heading H H H H H** VO + Command + H VO + A VO + Command + H VO + Command + H VO + U (Rotor), then Left/Right Arrow Keys So to next heading of level [1-6] 1-6 1-6** Not available So to the main content landmark Q Not available Caps Lock + F6	Activate button	Enter or Space Bar	Enter or Space Bar	II	
Show list of all headings  Insert + F6  Insert + F7  Caps Lock + F6  Left/Right Arrow Keys  Not available  VO + U (Rotor), then Left/Right Arrow Keys  Not available  Poen Elements List or Rotor  Insert + F3  Insert + F7  Not available  Caps Lock + N  Not available  Caps Lock + IF6 or F7], then tab to the Scoping drop-down list  Control + Alt + Arrow Keys  Go to next list  Control + Alt + Arrow Keys	Start reading continuously from this point on	Insert + Down Arrow		or Caps Lock + Control + R	VO + A
Show list of all headings   Insert + F   Insert + F   Caps Lock + F   Left/Right Arrow Keys   Go to next heading of level [1-6]   1-6   1-6   1-6*   Not available   Go to next landmark/region   R (JAWS 15+) ; (JAWS 15)   D   D**   Not available   Go to the main content landmark   Q   Not available   Caps Lock + F   F   F   Go to next table   T   T   T*   T*   T*   T*   T*   T*	Go to next heading	Н	Н	H**	VO + Command + H
Go to next landmark/region   R (JAWS 15)   D   D**   Not available   Caps Lock + N   Not available   VO + U   VO + U   VO + U   VO + V   V   V   V   V   V   V   V   V   V	Show list of all headings	Insert + F6	Insert + F7	Caps Lock + F6	
Go to next landmark/region  Go to the main content landmark  Q  Not available  Caps Lock + N  Caps Lock + [F6 or F7], then tab to the Scoping dropdown list  VO + U  Go to next table  T  T  T  Control + Alt + Arrow  Keys  Arrow Keys  Arrow Keys  VO + Command + T  VO + Command + T  VO + Command + X  Control + Alt + Arrow Keys  Arrow Keys  Arrow Keys  VO + Command + X  VO + Command + X  VO + Command + X  Not available  VO + Command + X  Not available  Not available  Not available  VO + Command + X  Not available	Go to next heading of level [1-6]	1-6	1-6	1-6**	Not available
Open Elements List or Rotor  Insert + F3  Insert + F7  In	Go to next landmark/region		D	D**	Not available
Insert + F3	Go to the main content landmark	Q	Not available	Caps Lock + N	Not available
Navigate table cells  Control + Alt + Arrow Keys  Go to next list  Go to next graphic  Go to next graphic  Show list of all links  Insert + F7  Insert + F7  Insert + F7  Caps Lock + F7  Caps Lock + F7  Cops Lock + F7	Open Elements List or Rotor	Insert + F3	Insert + F7	tab to the Scoping drop-	VO + U
Arrow Keys  Arrow	Go to next table	Т	Т	T**	VO + Command + T
Go to next list Go to next list item Go to next graphic Go to next link Go to next link Go to next unisited link Go to next unisited link Go to next unisited link Go to next form element Go to next form element Go to next form element Go back to previous heading, landmark, table, focusable item, etc.  Toggle screen reader mode  Toggle screen reader mode  Interact with (go into/out of) objects (like iframes, menus, application regions, etc.)  Interact with (go into/out of) objects (like iframes, menus, application regions, etc.)  Toggle between: Radio buttons, <select> list items, Tabs (ARIA widget), Menu items (ARIA widget)  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Not available  VO + Command + X  Not available VO + Command + V  VO + Command + V  VO + Command + V  Not available Not available VO + Command + V  Forms Mode Not available Not available Not available Not available Not available Shift + [H*, T, Tab, etc.] Browse/Focus Mode: Insert + Space Bar Forms Mode*: (Insert + Space Bar</select>	Navigate table cells				VO + Arrow Keys
Go to next list item Go to next graphic Go to next graphic Go to next graphic Go to next graphic Go to next link Go to next link Go to next link Go to next unvisited link Go to next visited link For F F F F F F F F F F F F F F Shift + H, D, T, Tab, etc.] H, D, T, Tab, etc.] Forms Mode: Insert + Space Bar Forms Mode* Caps Lock + Forms Mode* Caps Lock + Forms Mode* Caps Lock + Space Bar Not available Not available Not available VO + Command + L VO + Command + V VO + Shift + Down/Up Arrows Arrow Keys then (VO + Shift +	Go to next list	I	1		VO + Command + X
Go to next graphic  Show list of all links  Insert + F7  Insert + F7  Insert + F7  Caps Lock + F7  VO + U (Rotor), then Left/Right Arrow Keys  VO + Command + G  VO + U (Rotor), then Left/Right Arrow Keys  VO + Command + L  VO + Command + L  Not available  VO + Command + L  Not available  Arrow Keys  Not available  Arrow Keys Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys		1	1		
Show list of all links  Insert +F7  Insert +F7  Caps Lock +F7  VO + U (Rotor), then Left/Right Arrow Keys  VO + Command + L  VO + Command + V  VO + Shift +		G.	G		
Go to next link Go to next unvisited link Go to next unvisited link Go to next visited link Go to next visited link V V V V V V V V V V V V V V V V V V V		_			VO + U (Rotor), then
Go to next visited link Go to next form element Go back to previous heading, landmark, table, focusable item, etc.  Toggle screen reader mode  Interact with (go into/out of) objects (like iframes, menus, application regions, etc.)  Toggle between: Radio buttons, <select> list items, Tabs (ARIA widget), Tree view items (ARIA widget)  V  Not available Not applicable Not applicable Not applicable Arrow Keys Bar</select>	Go to next link	Not available	К	K**	
Go to next visited link Go to next form element Go back to previous heading, landmark, table, focusable item, etc.  Toggle screen reader mode  Interact with (go into/out of) objects (like iframes, menus, application regions, etc.)  Toggle between: Radio buttons, <select> list items, Tabs (ARIA widget), Tree view items (ARIA widget)  V  Not available Not applicable Not applicable Not applicable Arrow Keys Bar</select>		U		Not available	Not available
Go to next form element Go back to previous heading, landmark, table, focusable item, etc.  Toggle screen reader mode  Interact with (go into/out of) objects (like iframes, menus, application regions, etc.)  Toggle between: Radio buttons, <select> list items, Tabs (ARIA widget)  Ferms Mode: (Ala widget), Menu items (ARIA widget)  Ferms Ferm</select>		V	V	Not available	
Go back to previous heading, landmark, table, focusable item, etc.  Toggle screen reader mode  Toggle screen reader mode  Interact with (go into/out of) objects (like iframes, menus, application regions, etc.)  Toggle between: Radio buttons, <select> list items, Tabs (ARIA widget), Tree view items (ARIA widget)  Shift + [H, R, T, Tab, etc.]   [H, Tab, etc.</select>		F	F	F	
focusable item, etc.  [H, R, T, Tab, etc.]  Forms Mode: (On) (Automatic when in form element), (Off) Numpad Plus  Interact with (go into/out of) objects (like iframes, menus, application regions, etc.)  Toggle between: Radio buttons, <select> list items, Tabs (ARIA widget), Tree view items (ARIA widget)  [H, R, T, Tab, etc.]  Forms Mode: (On) (Automatic when in form element), (Off) Numpad Plus  Not applicable  Not applicable  Not applicable  Arrow Keys  [H**, D**, T**, Tab, etc.]  [H**, D**, T**, Tab, etc.]  [H, T, Tab, etc.]  Forms Mode: Caps Lock + Space Bar  Not available  VO + Shift + Down/Up Arrows  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Forms Mode: Caps Lock + Space Bar  Not applicable  VO + Shift + Down/Up Arrows  Arrow Keys, then [VO + Space Bar or Space Bar]</select>		Shift +	Shift +	Shift +	
Toggle screen reader mode  Forms Mode: (On) (Automatic when in form element), (Off) Numpad Plus  Interact with (go into/out of) objects (like iframes, menus, application regions, etc.)  Toggle between: Radio buttons, <select> list items, Tabs (ARIA widget), Tree view items (ARIA widget)  Forms Mode: (Insert + Space Bar Forms Mode^^: Insert + Space Bar  Not applicable  Arrow Keys  Arrow Keys  Arrow Keys  Arrow Keys  Forms Mode: Caps Lock + Space Bar  Not available  VO + Shift + Down/Up Arrows  Arrow Keys, then  [VO + Space Bar or Space Bar]</select>					
iframes, menus, application regions, etc.)  Toggle between: Radio buttons, <select> list items, Tabs (ARIA widget), Tree view items (ARIA widget)  Not applicable Not appli</select>	Toggle screen reader mode	Forms Mode: (On) (Automatic when in form element), (Off)	Browse/Focus Mode: Insert + Space Bar Forms Mode^^: Insert	Scan Mode: Caps Lock +	Not available
items, Tabs (ARIA widget), Tree view items Arrow Keys Arrow Keys Arrow Keys [VO + Space Bar or Space Bar]	iframes, menus, application regions, etc.)	Not applicable	Not applicable	Not applicable	Down/Up Arrows
Toggle Virtual PC Cursor   Insert + Z   Not available   Not available   Not available   Not available	items, Tabs (ARIA widget), Tree view items (ARIA widget), Menu items (ARIA widget)	Arrow Keys	·	·	[VO + Space Bar or Space Bar]
	Toggle Virtual PC Cursor	Insert + Z	Not available	Not available	Not available

- \*Cycle between element types with Caps Lock
   + Page Up or Caps Lock + Page Down (or Caps Lock + Control + Up Arrow or Caps Lock + Control + Down Arrow), then advance through those page elements one at a time.
- \*\*Scan Mode only.
- \*Browse/Focus Mode only.
- ^^When in a form element.

- Insert is the default NVDA modifier key, but Caps Lock can be set as a duplicate modifier key (so that it can be used in place of Insert).
- The Narrator key, Caps Lock (or Insert can be used in its place), can be locked so it doesn't need to be pressed with every command by pressing Caps Lock + Z (or Insert + Z) (only when not in Scan Mode).
- VO is an abbreviation for VoiceOver keys Control + Option. The VO keys can be locked so

that they don't need to be pressed with each VoiceOver command by pressing VO + ;.

- Recommended browsers:
  - JAWS + Chrome, Edge, Firefox, or Internet Explorer
  - NVDA + Firefox, Chrome, or Edge
  - Narrator + Edge
  - VoiceOver + Safari

Copyright 2021 Deque Systems, Inc. All rights reserved.