



NVDA INTERACTION

Turn On / Off: `ctrl + alt + n` / NVDA + `Q`

NVDA key: `insert` or `caps` lock (if set)

Moving: `▲` or `▼` (to navigate elements)

Perform Default Action: `enter`

Next / Prev interactive element: `tab` / `shift` + `tab`

Next / Prev element of a certain type:
[single key] or `shift` + [single key]

SINGLE KEYS:

- `H` HEADING 1-6 = Heading levels 1-6
- `D` LANDMARK
- `K` LINK
- `B` BUTTON
- `F` FORM FIELD
- `T` TABLE `[ctrl] + [alt] + Arrow Keys` (to navigate cells)
- `L` LIST / `[i]` = List Item
- `G` GRAPHIC / IMAGE



NARRATOR INTERACTION

Turn On: `win + ctrl + enter`

Narrator key: `insert` or `caps` lock (if set)

Activate Scan Mode: Narrator + `space`

Moving: Narrator + `▶` / `◀` (element to element)
or Narrator + `▲` / `▼` (in scan mode)

Perform Default Action: Narrator + `enter`

Next / Prev Element of a certain type:
Scan mode, then [single key] or `shift` + [single key]

SINGLE KEYS (with scan mode on):

- `H` HEADING 1-6 = Heading levels 1-6
- `D` LANDMARK `[caps] + [n]` = main region
- `K` LINK `[caps] + [F7]` = list all links
- `X` CHECK BOX
- `F` FORM FIELD
- `T` TABLE `[ctrl] + [Alt] + Arrow keys` (navigate cells)

MOBILE SCREEN READERS: VO-IOS, TB-ANDROID



VOICEOVER FOR IOS

Turn On: Settings > Accessibility > VoiceOver,
or triple click side button (if enabled in settings)

Next / Prev element: Swipe Right / Left

Select Rotor Type: Rotate two fingers on the screen,
like turning a dial

Next / Prev Rotor element: Swipe Down / Up

Perform Default Action: Double-tap

Type in a form field by landing in it, then dragging your finger across the bottom of the screen where the keyboard pops up until you find the character you want.

Double tap the screen to insert that character. When you're done composing, swipe right anywhere off the keyboard area to move to the next element, often a submit button. Double tap to activate.



TALKBACK FOR ANDROID

Turn On: Settings > Accessibility > TalkBack, or
holding volume up and down if enabled in settings

Next / Prev element: Swipe Right / Left

Select Control Type: Swipe Right / Left with three
fingers, or with single finger Down-Up or Up-Down

Next / Prev Control element: Swipe Down / Up

Perform Default Action: Double-tap

Type in a form field by landing in it, then dragging your finger across the bottom of the screen where the keyboard pops up until you find the character you want.

Double tap the screen to insert that character. When you're done composing, swipe right anywhere off the keyboard area to move to the next element, often a submit button. Double tap to activate.



VOICEOVER FOR MAC

Turn On / Off: Settings > Accessibility > Voiceover, or

shift + **F10** or **⌘ cmd** + Triple-click Fingerprint Sensor

VO Key: **⌘ ctrl** + **⌥ opt** or **caps** lock

VO Lock: VO + **;** (locks on for one-handed use)

Open Rotor: VO + **u**, **⬅** **⬆** **➡** **⬇** (to navigate)

enter to Jump Components

Moving: VO + **⬅** / **➡** (to move around the elements)

Perform Default Action: VO + **shift** + **space**

Enter an Element: VO + **shift** + **⬇**

Exit an Element: VO + **shift** + **⬆**

Next / Prev Interactive Element: **tab** / **shift** + **tab**

Next / Prev Element of a certain type:

VO + **⌘ cmd** + [single-key] / VO + **⌘ cmd** + **shift** + [key]

SINGLE KEYS:

- H** HEADING
- L** LINK
- J** CONTROL (like form element)
- G** IMAGE (if img is linked, must move past before you can jump to next image)
- X** LIST = VO + Right / Left to navigate list items



USING QUICKNAV MODE

within VoiceOver for Mac

Toggle QuickNav: **⬅** + **➡** (at same time)

Next / Prev Element: **➡** or **⬅**

Next / Prev Rotor Type Element: **⬇** or **⬆**

Change Rotor Type: **⬆** + **➡** or **⬆** + **⬅**

Activate Current Element: **⬇** + **⬆**

Enter an Element: **⬇** + **➡**

Exit an Element: **⬇** + **⬅**

Single-Key Navigation: Next / Prev type element = press single nav key / [shift] + [key]

SINGLE KEYS (with scan mode on):

- H** HEADING 1-6 = Heading levels 1-6
- L** LINK
- B** BUTTON
- C** CHECK BOX
- J** CONTROL (like form element)
- G** IMAGE (if img is linked, must move past before you can jump to next image)
- T** LIST = Right / Left to navigate list items
- X** FORM FIELD = Up-Down to enter field, Right-Left to turn QuickNav off (to type), Tab to Next Field
- F** TABLE = Left-Right to turn QuickNav off, VO + arrows to move around table

MOBILE SCREEN READERS: VO-IOS, TB-ANDROID

same as front page



VOICEOVER FOR IOS

Turn On: Settings > Accessibility > VoiceOver,

or triple click side button if enabled in settings

Next / Prev element: Swipe Right / Left

Select Rotor Type: Rotate two fingers on the screen, like turning a dial

Next / Prev Rotor element: Swipe Down / Up

Perform Default Action: Double-tap

Type in a form field by landing in it, then dragging your finger across the bottom of the screen where the keyboard pops up until you find the character you want.

Double tap the screen to insert that character. When you're done composing, swipe right anywhere off the keyboard area to move to the next element, often a submit button. Double tap to activate.



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