

## VoiceOver Gesture & Keyboard Commands

| Command                               | Gesture                          | Keyboard                         |
|---------------------------------------|----------------------------------|----------------------------------|
| *                                     |                                  | Quick Nav Only                   |
| <b>Accessibility Shortcut</b>         | Triple-Click Home                | VO + H + H + H                   |
| <b>Activate Item</b>                  | Double Tap or Split Tap          | VO + Spacebar                    |
| <b>Adjust Value</b>                   | Swipe Up or Down                 | Up or Down Arrow *               |
| <b>App Switcher</b>                   | Double-Click Home                | VO + H + H                       |
| <b>Back/Escape</b>                    | Two-Finger "Z"                   | Escape                           |
| <b>Change Item's Label</b>            | Two-Finger Double Tap and Hold   | VO + /                           |
| <b>Change Rotor Item</b>              | Two-Finger Rotate                | Up Arrow + Left or Right Arrow * |
| <b>Copy Spoken Text</b>               | Three-Finger Quadruple Tap       | VO + Shift + C                   |
| <b>Home</b>                           | Click Home                       | VO + H                           |
| <b>Item Chooser</b>                   | Two-Finger Triple Tap            | VO + I                           |
| <b>Magic Tap (Pause Music)</b>        | Two-Finger Double Tap            | VO + -                           |
| <b>Mute VoiceOver</b>                 | Three-Finger Double Tap          | VO + S                           |
| <b>Next/Previous Rotor Item</b>       | Swipe Up or Down                 | Up or Down Arrow *               |
| <b>Pause Speech</b>                   | Two-Finger Tap                   | Control                          |
| <b>Quick Navigation On/Off *</b>      | (Keyboard Only Feature)          | Left Arrow + Right Arrow         |
| <b>Read All From Current Position</b> | Two-Finger Swipe Down            | VO + A                           |
| <b>Read All From Top</b>              | Two-Finger Swipe Up              | VO + B                           |
| <b>Screen Curtain</b>                 | Three-Finger Triple Tap          | VO + Shift + S                   |
| <b>Scroll</b>                         | Three-Finger Swipe               | Option + Arrow Keys *            |
| <b>Select First Item</b>              | Four-Finger Tap Top of Screen    | Control + Up Arrow *             |
| <b>Select Item</b>                    | Tap                              | VO + Right or Left Arrow         |
| <b>Select Last Item</b>               | Four-Finger Tap Bottom of Screen | Control + Down Arrow *           |
| <b>Select Next/Previous Item</b>      | Swipe Right or Left              | VO + Right or Left Arrow         |
| <b>Show Keyboard</b>                  |                                  | Eject                            |
| <b>Switch Apps</b>                    | Double-Click Home                | Command + Tab or Shift Tab       |
| <b>Turn Off VO Help</b>               | Two-Finger "Z"                   | Escape                           |
| <b>VO</b>                             |                                  | Control + Option                 |
| <b>VoiceOver Help</b>                 |                                  | VO + K                           |

## VoiceOver Rotor

| Navigation Item     |
|---------------------|
| Buttons             |
| Form Controls       |
| Headings            |
| Images              |
| Landmarks           |
| Links               |
| Lists               |
| Rows                |
| Tables              |
| Vertical Navigation |

### Single-Key Quick Nav VO + Q

| Navigation Item          | Key         |
|--------------------------|-------------|
| <b>ARIA Landmark</b>     | W           |
| <b>Button</b>            | B           |
| <b>Form Control</b>      | C           |
| <b>Heading</b>           | H           |
| <b>Heading Level 1</b>   | 1           |
| <b>Heading Level 2</b>   | 2           |
| <b>Heading Level 3</b>   | 3           |
| <b>Heading Level 4</b>   | 4           |
| <b>Heading Level 5</b>   | 5           |
| <b>Heading Level 6</b>   | 6           |
| <b>Image</b>             | I           |
| <b>Link</b>              | L           |
| <b>List</b>              | X           |
| <b>Previous Nav Item</b> | Shift + Key |
| <b>Static Text</b>       | S           |
| <b>Table</b>             | T           |
| <b>Text Field</b>        | R           |

### Apple's iOS Accessibility Resources

| Apple Accessibility Resource   |
|--|
| <a href="#">VoiceOver for iOS Overview with Screenshots</a>          |
| <a href="#">iPhone User Guide</a>                                    |
| <a href="#">Accessibility on iOS Overview with Screenshots</a>       |
| <a href="#">VoiceOver iOS 8 User Guide in Plain HTML</a>             |
| <a href="#">VoiceOver Keyboard Commands</a>                          |
| <a href="#">VoiceOver Gestures</a>                                   |
| <a href="#">iOS Accessibility Tips &amp; Tricks with Screenshots</a> |
| <a href="#">Accessibility for iOS Developers</a>                     |

### Mobile Accessibility Testing Tools

| Testing Tool   |
|--|
| <a href="#">Chrome Accessibility Developer Tools</a> |
| <a href="#">Colour Contrast Analyser</a>             |
| <a href="#">Deque aXe Chrome</a>                     |
| <a href="#">Deque aXe Firefox</a>                    |
| <a href="#">Deque FireEyes Standalone</a>            |
| <a href="#">Firebug (Required for FireEyes)</a>      |
| <a href="#">HTML CodeSniffer</a>                     |
| <a href="#">Jim Thatcher's Favelets</a>              |
| <a href="#">WAVE Evaluation Tool for Chrome</a>      |

### Accessibility Testing Demos

| Testing Demo   |
|--|
| <a href="#">Accessible University 2.0</a>                  |
| <a href="#">W3C BAD - Before and After Demo</a>            |
| <a href="#">HTML5 Input Types</a>                          |
| <a href="#">PaulJAdam's Modern Web Accessibility Demos</a> |
| <a href="#">Deque University Examples and Resources</a>    |
| <a href="#">Bootcamp Contact Form Before Demo</a>          |
| <a href="#">Bootcamp Contact Form After WAI-ARIA Demo</a>  |
| <a href="#">Bootcamp Contact Form After HTML5 Demo</a>     |
| <a href="#">Bootcamp Collapse Before Demo</a>              |
| <a href="#">Bootcamp Collapse After Demo</a>               |

## iOS 9 HTML4 Support

| Element or Attribute | Supported                             |
|----------------------|---------------------------------------|
| <abbr> title         | No                                    |
| <caption>            | Yes                                   |
| <fieldset> <legend>  | No                                    |
| <img> alt            | Yes                                   |
| <img> longdesc       | No                                    |
| <td> headers         | No                                    |
| <th>                 | Yes                                   |
| <th> scope           | No                                    |
| lang attribute       | Yes                                   |
| title attribute      | Yes, Focusable Elements or <img> Only |

## iOS 9 WAI-ARIA Support

| Attribute           | Supported                             |
|---------------------|---------------------------------------|
| aria-describedby    | Yes                                   |
| aria-expanded       | No in iOS 9 Beta 4 :(                 |
| aria-haspopup       | Yes On role=button<br>No On role=link |
| aria-hidden         | Yes                                   |
| aria-invalid        | Yes                                   |
| aria-label          | Yes                                   |
| aria-labelledby     | Yes                                   |
| aria-live=assertive | Yes                                   |
| aria-pressed        | No                                    |
| aria-required       | Yes                                   |
| aria-selected       | Yes                                   |
| Landmarks           | Yes Except role=form                  |
| role=alert          | Yes                                   |
| role=alertdialog    | Yes                                   |
| role=dialog         | No                                    |
| role=status         | Yes                                   |
| role=tab            | Yes                                   |



## iOS 9 HTML5 Support

| Element or Attribute        | Supported                |
|-----------------------------|--------------------------|
| <article>                   | No                       |
| <aside>                     | Yes                      |
| <audio>                     | Yes                      |
| <canvas>                    | Yes (VO can't read text) |
| <details> <summary>         | No                       |
| <dialog>                    | No                       |
| <figure> <figcaption>       | No                       |
| <footer>                    | No                       |
| <header>                    | Yes                      |
| <input autofocus>           | Yes                      |
| <input disabled>            | Yes                      |
| <input min/max>             | Yes on date              |
| <input pattern>             | Yes                      |
| <input placeholder>         | Yes                      |
| <input required>            | Yes                      |
| <input step>                | No                       |
| <input type=color>          | No                       |
| <input type=date>           | Yes                      |
| <input type=datetime-local> | Yes                      |
| <input type=datetime>       | No                       |
| <input type=email>          | Yes                      |
| <input type=file>           | Yes                      |
| <input type=month>          | Yes                      |
| <input type=number>         | Yes                      |
| <input type=range>          | Yes                      |
| <input type=search>         | Yes                      |
| <input type=tel>            | Yes                      |
| <input type=time>           | Yes                      |
| <input type=url>            | Yes                      |
| <input type=week>           | No                       |
| <main>                      | Yes                      |
| <mark>                      | No                       |
| <meter>                     | No                       |
| <nav>                       | No                       |
| <progress>                  | Yes (no role)            |
| <section>                   | Yes as "Region"          |
| <svg>                       | Yes (VO can read text)   |
| <track>                     | Yes                      |
| <video>                     | Yes                      |