

Bluetooth Keyboard Commands with VoiceOver on the iPad

iOS 9.2

Chapter 6: Manipulating Text in Read-Only Text (iBooks & Safari) using Bluetooth Keyboard Commands (Quick Nav is ON)

Module Objectives

- 6.1 Selecting Text using Bluetooth Keyboard Commands (Read-Only)
 - Selecting Read-Only Text: Safari Article
 - To Select One Word
 - Selecting More than One Word: Select Text Rotor
 - Selecting More Than One Word: Pinch Gesture
 - To Select All
 - Selecting Read-Only Text: iBooks
 - To Select One Word
 - To Select More than One Word
 - Copy Read-Only Text: iBooks
- 6.2 Define a Word Using Bluetooth Keyboard Commands
 - Define Read-Only Text: Safari
 - Define Read-Only Text: iBooks

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Overview

Chapter 6 focuses on how to use the Bluetooth keyboard *to manipulate text* in Read-Only apps such as iBooks and Safari. Quick Nav is on.

“Read-Only” (Chapter 6)

Books and articles in iBooks and Safari are “Read-Only” text, meaning that you can read the text but you cannot add, delete or change the text. However, you can often

manipulate (copy) the text; with some texts, you can highlight, underline and create margin notes.

iBooks is a “Read-Only”; you can read and copy text. Depending on how the book was published, you may also be able to highlight, underline, create margin notes and create study cards. However, you *cannot* add, delete or make changes to the text. You cannot navigate text using the Bluetooth Keyboard Commands for Entering and Editing Text with Quick Nav Off, listed in Chapter 5, as these commands only work *within a text field* with Quick Nav off.

Internet Articles are “Read-Only”- meaning you can read the articles and you can copy text. You *cannot* highlight, underline, create margin notes, add, delete, etc. You cannot navigate text using the Bluetooth Keyboard Commands for Entering and Editing Text with Quick Nav Off, listed in Chapter 5, as these commands only work *within a text field* with Quick Nav off.

“Editable Text field” (Chapter 5)

Documents in Mail and Google Docs have “Editable” text fields, meaning that you can type and add text to the document. Editable text fields includes being able to read, change (add or delete text) and manipulate the text (copy, cut, highlight, underline, etc.) **There are additional navigational commands which are only available when Quick Nav is off and when in an editable text field/Edit Mode.** These additional navigational commands do *not* work outside of an editable text field.

You can only add, delete or make changes to the text in “editable text fields” such as Google Docs, Notes, emails or text boxes. You *cannot* add or delete text in “Read-Only” documents such as books in iBooks or Internet articles.

6.1 Selecting and Copying Text using Bluetooth Keyboard Commands (Read-Only)

Selecting Read-Only Text: Safari Article

Confirm that Quick Nav is on (right + left arrows). Press the right or left arrow to navigate to the desired phrase. Or, use the Rotor set to Words or Lines and use the down arrow to move through the book/article by Words or Lines to the desired phrase.

To Select One Word

Move to the desired word then use VO + Shift + M to select the desired word. You will hear three beeps, which means you have now selected one word. You can also select text by 1 finger, double tap and hold or by touching the desired word on the screen and then pinching out.

Selecting More than One Word: Select Text Rotor Option

iOS 9 added a new Rotor option, Select Text. This is a foolproof way to select the desired text. Set the Rotor to Words or Lines (up + right arrows) to move to the desired location. When the VoiceOver cursor is on the first desired word, set the rotor to Select Text. Use the down arrow to select the unit of text. The options are Character Selection, Word Selection, Line Selection, Page Selection and Select All. Once on the desired unit, use the right arrow to select by that desired unit; use the left arrow to deselect by the desired unit.

The rotor option, Select Text, is the best option!

Selecting More Than One Word: Pinch Gesture

After selecting one word, adjust the rotor to the desired unit of text (options are “characters”, “words”, or “lines”); then, use the down arrow to select by chosen unit. You can also increase the words selected by using the “pinch out” gesture on the screen; text will be selected by characters, words or lines, depending on how the Rotor was set. Currently, there is not a keyboard command to select additional words.*

To Select All

Command + A will select the entire document.

*Currently in iOS 9.2, VO + Shift + M will select a random word; however, typically the desired word is not selected.

*Currently in iOS 9.2 up + down arrows is inconsistent: sometimes it will not select a word and the popup bar options do not appear. However, the one finger double tap gesture will select the desired word and the popup bar appears.

Activity 6.1a Selecting and Copying an Internet Article

For this activity, we will use the article “Animal Fact Guide” with VoiceOver On and the Bluetooth keyboard.

1. Confirm that Quick Nav is on.
2. Confirm that the VoiceOver focus is on the Back button (top left): (Control+ up arrow).
3. Move to “Edits URL”: (Right arrow multiple times – VoiceOver will read the last URL listed and then “Edits the URL”).
4. Activate the text field: (Up and down arrows).
5. Type “Animal Fact Guide”.
6. Set the Rotor to Links to move to the desired animal: (Up + right arrows multiple times stopping on Links; down arrow to move by Links).
7. Select and activate the desired animal: (down arrow stopping on desired animal. Activate). You should be on the Animal Facts tab not the Home tab; if not, select the Animal Facts tab first before you select your desired animal.
8. Activate the Reader button: **simply press cmd + shift + R to open the Reader.**
OR (old way)
 - Move to the Back button: (Control + up arrow)
 - Move to Reader button: (Right arrow multiple times, stopping on Reader button)
 - Activate Reader button: (Up + down arrows) The VoiceOver focus will move to Decrease Text Size button; the VoiceOver focus used to move directly to the article text. Right arrow to article text.
9. Increase text size: (VO focus is on the Reader button)
 - Move to Reader Appearance Options button and activate: (Right arrow twice and select up + down arrows)
 - Move to Increase Text Size Button and activate: (right arrow then up + down arrows)
10. Navigate to the desired phrase: (Right arrow multiple times). Once in the text, will typically move through the text by paragraphs.
11. Select desired text: (new way)
 - Set the rotor to Text Select: (Up + right arrows)
 - Choose unit of text to be selected: (Down arrow stopping on Words)
 - Select text by unit: (Right arrow, selecting the desired text by word units)Or, (old way)
12. (VO + Shift + M).
To select a portion of the document:
 - Select text: (VO + Shift + M). You will hear three beeps. This will select one word

- Adjust the rotor to the desired unit of text “characters”, “words” or “Lines”: (Up + right arrows stopping on desired unit of text).
- Select more text – text will be selected by the chosen unit: (Pinch Out gesture on the screen; pinch In will deselect.) VoiceOver will speak the amount of text as it is added or removed.

13. To select the entire document: (Command + A).

14. Open Pages Docs:

- Move to open Google Docs: (Cmd + Tab or cmd + Shift + Tab)
- Activate editable textfield: (Up + down arrows).
(*Read* document should still be open or open a desired document)
- Move to document text: (Right arrow stopping on document text)
- Move to the end of the document: (Cmd + down arrow)
- Paste: (Cmd + V)

Selecting and Copying Read-Only Text: iBooks

To Select One Word

Set the Rotor to Words and move to the desired word. Select the desired word using the up + down arrows.

To Select More Than One Word

After selecting one word, use the “pinch out” gesture to select additional words. (Currently there is not a Bluetooth keyboard command to select additional words.)

Currently, Select Text is not available in iBooks.

*In iOS 9.2, the ability to copy more than one word with some iBooks, such as *A Very Wimpy Kid is broken*. In the textbook *Reach for the Stars*, selecting the text works; however, visually the text is not highlighted. When you pinch out, the text does become highlighted.

Copy Read-Only Text: iBooks

Currently, once the word(s) are selected, you can choose to copy the text by cmd + C or set the Rotor to Edit then go through the options stopping on Copy. Activate Copy using the up + down arrows.

Publishers have options on how they create books. In some books – such as *A Wimpy Kid* - when you select a word, a popup appears with the options of:

Copy, Define, Highlight, Note, Search, Share

If a popup appears, then use a left arrow to move through the popup choices and then activate your desired choice.

Note: that various books in iBooks will react differently depending on the options that the publisher included.

Activity 6.1b Selecting Text in iBooks

For this activity, we will use the book *Reach for the Stars: Touch, Look, Listen, Learn*.

1. Launch iBooks.
2. Confirm that Quick Nav is on.
3. Open *Reach for the Stars*:
 - Move to *Reach for the Stars*: (right arrow multiple times stopping on *Reach for the Stars*)
 - Activate book
4. Pause VoiceOver: (Control).
5. Move to desired word:
 - Set Rotor to Words: (up + right arrows stopping on Words)
 - Move by Words: (down arrow stopping on desired word)
6. Select any word: (up + down arrows).
7. Select additional words: (pinch out).
8. Copy the desired word: (cmd + C)
9. Move to Pages: (cmd + tab or cmd + shift + tab).
10. Move to document text: (right arrow stopping on document text).
11. Activate the text field: (up + down arrows) to disable Quick Nav and to allow editing.
12. Move the insertion point to the desired location: (Up + down arrows will toggle between “Insertion point at start” and “Insertion point at end”.)
13. Paste text: (cmd + V) will paste text from buffer into the text field. VoiceOver will read the entire block of text that was pasted.

Activity 6.1c Selecting and Copying Text in iBooks

For this activity, we will use the book *A Very Wimpy Kid*.

*In iOS 9.2, the pinch out gesture does not work with this book. You can only select one word.

1. Launch iBooks.
2. Confirm that Quick Nav is on.
3. Open *A Very Wimpy Kid*:
 - Move to *A Very Wimpy Kid*: (Right arrow multiple times stopping on *A Very Wimpy Kid*)
 - Activate book
4. Pause VoiceOver: (Control).
5. Move to desired word:
 - Set Rotor to Words: (Up + right arrows stopping on Words)
 - Move by Words: (Down arrow stopping on desired word)
6. Select Word: (Up + down arrows). (Popup appears.)
7. Copy word:
 - Move to Copy Menu Item: (Left arrow stopping on Copy Menu Item)
 - Activate
8. Open Pages:
 - Move to open Pages: (Cmd + Tab or cmd + Shift + Tab)
 - Activate Pages
(*Read* document should still be open or open a desired document)
 - Move to document text: (Right arrow stopping on document text)
 - Move to the end of the document: (Cmd + down arrow)
 - Paste: (Cmd + V)

6.2 Define a Word using Bluetooth Keyboard Commands

Define Read-Only Text: Safari

In Safari, once a word is selected and the Rotor is set to Edit, you have the options of Select, Select All or Define. If you activate Define, a popup appears with the definition of the selected word.

Activity 6.2b Define a Word in an Internet Article

The animal article should still be open in Safari. If not, go to Animal Fact Guide and select a desired animal.

*9.2 Selecting one word using the up + down arrows or by double tapping works inconsistently. Sometimes, rebooting the iPad will re-enable this feature.

1. Move back to Safari, which is open in the app switcher: (Cmd + tab or cmd + shift + tab, stopping on Safari).
2. Move to the desired word:
 - Set the Rotor to Words: (Up + right arrows)
 - Move to the desired word: (Down arrow)
3. Select one word: (Up and down arrows)
4. Define the selected word
 - Turn Quick Nav On: (Right + left arrows)
 - Set the rotor to Edit: (Up + right arrow stopping on Edit)
 - Locate Define: (Down arrow stopping on Define)
 - Activate Define: (Up + down arrows)
5. Read the definition: (VO + A).
6. Dismiss popup: (Two finger scrub).

Define Read-Only Text: iBooks

In iBooks once the text is selected you have the following options:

The Edit Rotor options for textbooks such as *Reach for the Stars* are:

Copy, Define, Paste, Select, Select All, Delete, Cut

The popup options for books in *A Very Wimpy Kid* are:

Speak, Copy, Define, Highlight, Note, Search, Share

Note: The publisher determines the formatting of the book.

Activity 6.3b Define a Word in iBooks

The *Reach for the Stars* book should still be open in iBooks.

1. Move back to iBooks, which is open in the app switcher: (Cmd + tab or cmd + shift + tab, stopping on iBooks). *A Very Wimpy Kid* should be open.
2. Move to the desired word and select one word: (Up + down arrows).
3. Define that word:
 - Set the rotor to Edit: (Up + right arrow stopping on Edit)
 - Locate Define: (Down arrow stopping on Define)
 - Activate Define: (Up + down arrows)
4. Read the definition: (VO + A).
5. Dismiss popup: (Two finger scrub).