

# The Power of Speech

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# Session Contents

- Siri on iOS
  - Control, Search and Dictation
- Speech on the Mac
  - Accessibility, Control and Dictation
  - Speech Recognition
- Q & A

# Siri on iOS

## Problem at Sea!

Siri requires a live internet connection so I'm not going to be able to do any live demos

At least, that's my assumption when putting this together



# Technology

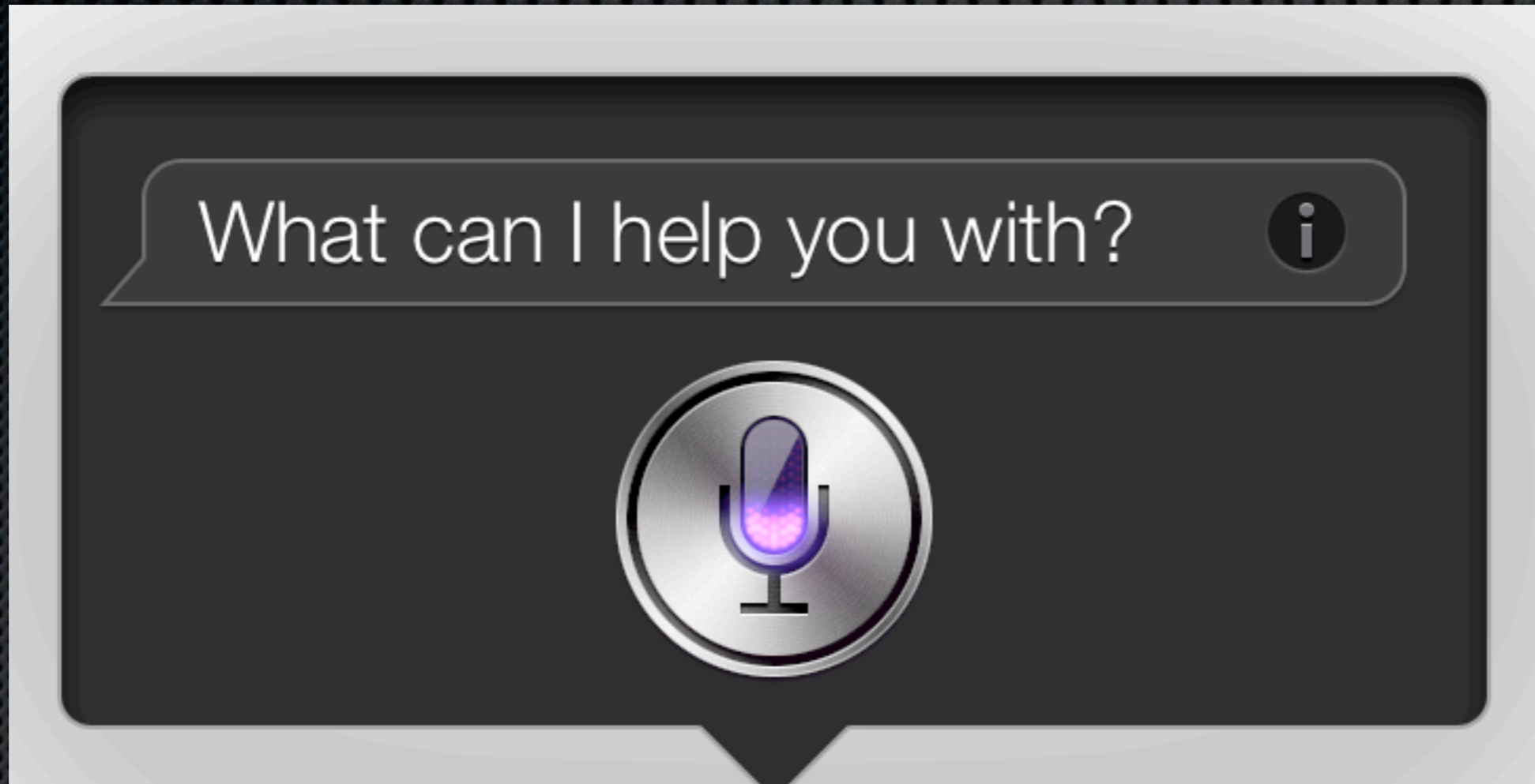
Dual Microphones for noise cancellation

Assists in both call quality and Siri

Dedicated speech processor



# Siri



**iOS5** - iPhone 4S

**iOS6** - iPhone 4S/5 & iPad 3+/mini & iPod touch (5th)

# Pros & Cons

## Pros

- ✦ Vastly expanded range of features
- ✦ No teaching or training required
- ✦ Support for more languages & territories

## Cons

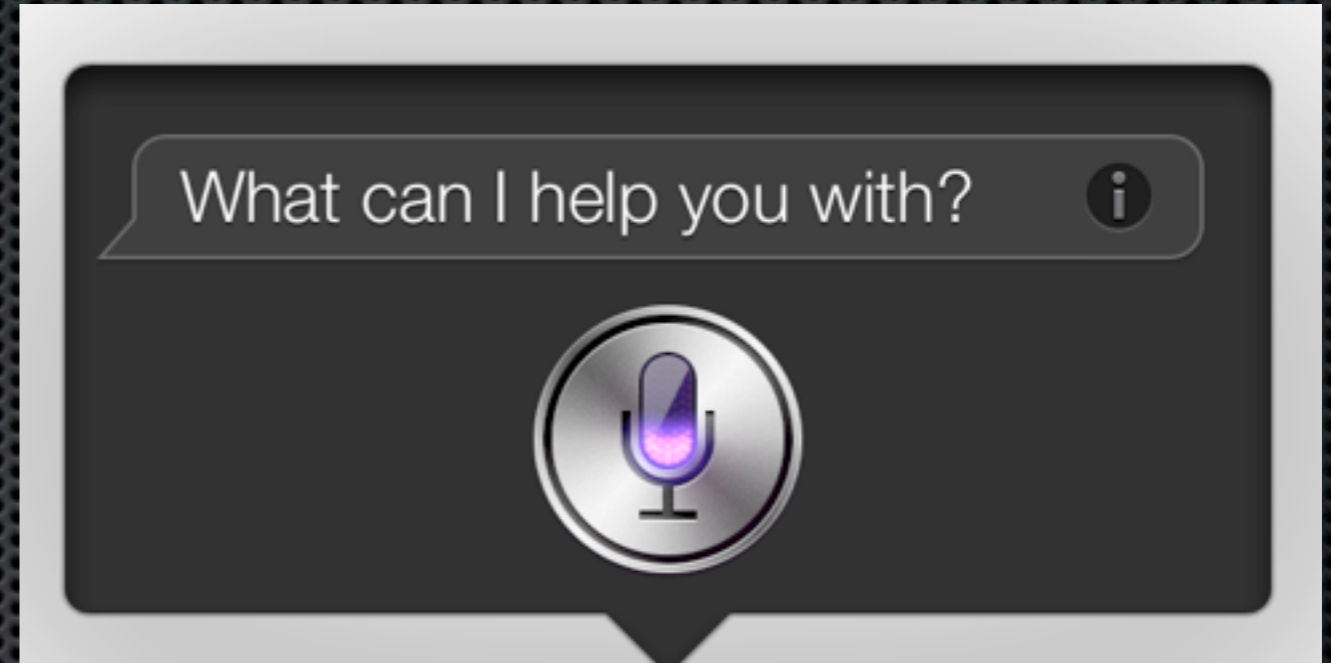
- ✦ Limited hardware support
- ✦ Needs Internet Access for any command
  - ✦ and I mean any command



# Activating Siri



- ✦ Tap and hold
- ✦ Raise to your ear
- ✦ Press the button on your headset
- ✦ Eyes Free (In Car)



## Get Siri Help

Tap the i symbol



# Expanded Range

## Control

- ✦ **Apps** - Launch or switch to apps
- ✦ **Settings** - Open some settings page
- ✦ **Send Message** - Send a Tweet or Facebook update
- ✦ **Music** - Play tracks, stop and start
- ✦ **Reminders** - Create reminders
- ✦ **Notes** - Create and append notes





# Control with Siri

## Apps

Launch or switch to apps



# Control with Siri

## Social Networking

Twitter & Facebook



# Control with Siri

## Music

Play and Control



# Control with Siri

## Reminders

Add to your lists



# Control with Siri

## Notes

Add and search Notes



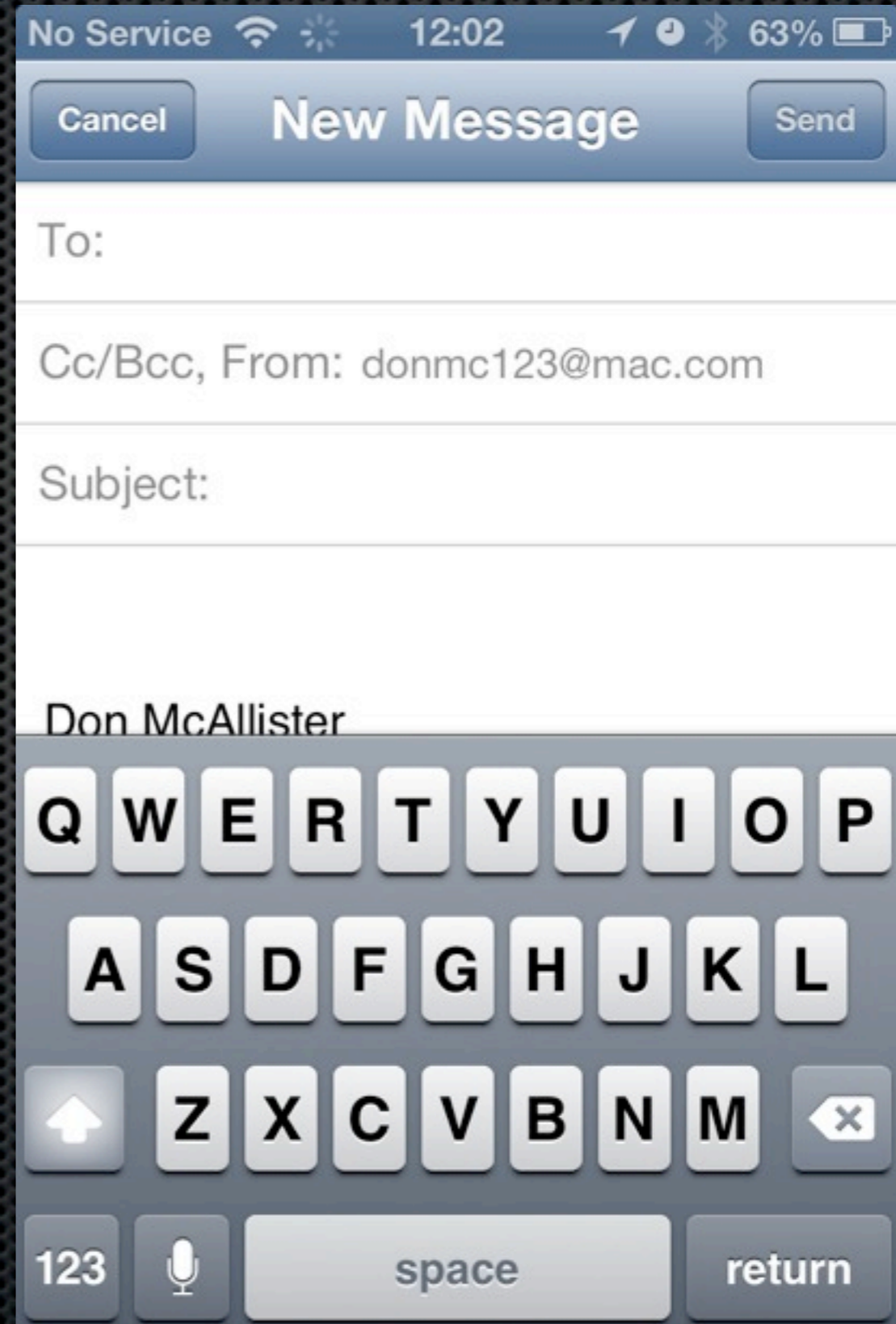
# Search with Siri

- **Sports** - Scores & statistics - Even UK
- **Movies** - Showings & timing - Trailers even
- **Restaurant** - Based on geography & preferences
- **Location** - Where are friends
- **Web** - Search the web
- **Research** - Ask for data



# Dictation with Siri

- ✦ Use short bursts
- ✦ Speak clearly and enunciate properly
- ✦ No correction
- ✦ No editable vocabulary



# Google Voice for iOS

- ✦ New Voice Search feature from Google





# Speech on the Mac

## Three main areas

- **VoiceOver** - Accessibility features built into iOS & OSX  
Ask Allison to do her party trick

# Macworld iWorld

THE ULTIMATE iFANEVENT

An iDUG World Expo Event

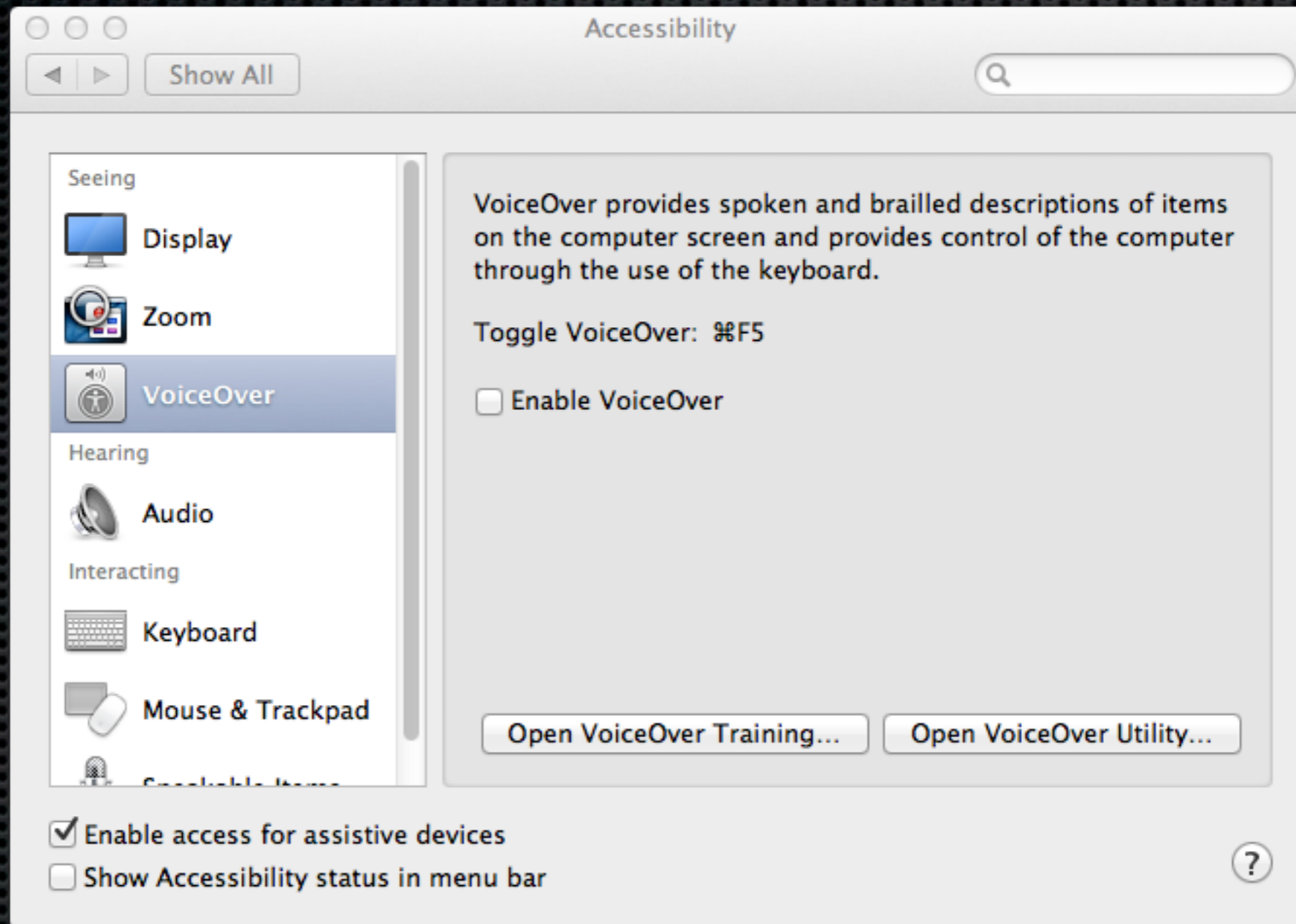


# Speech on the Mac

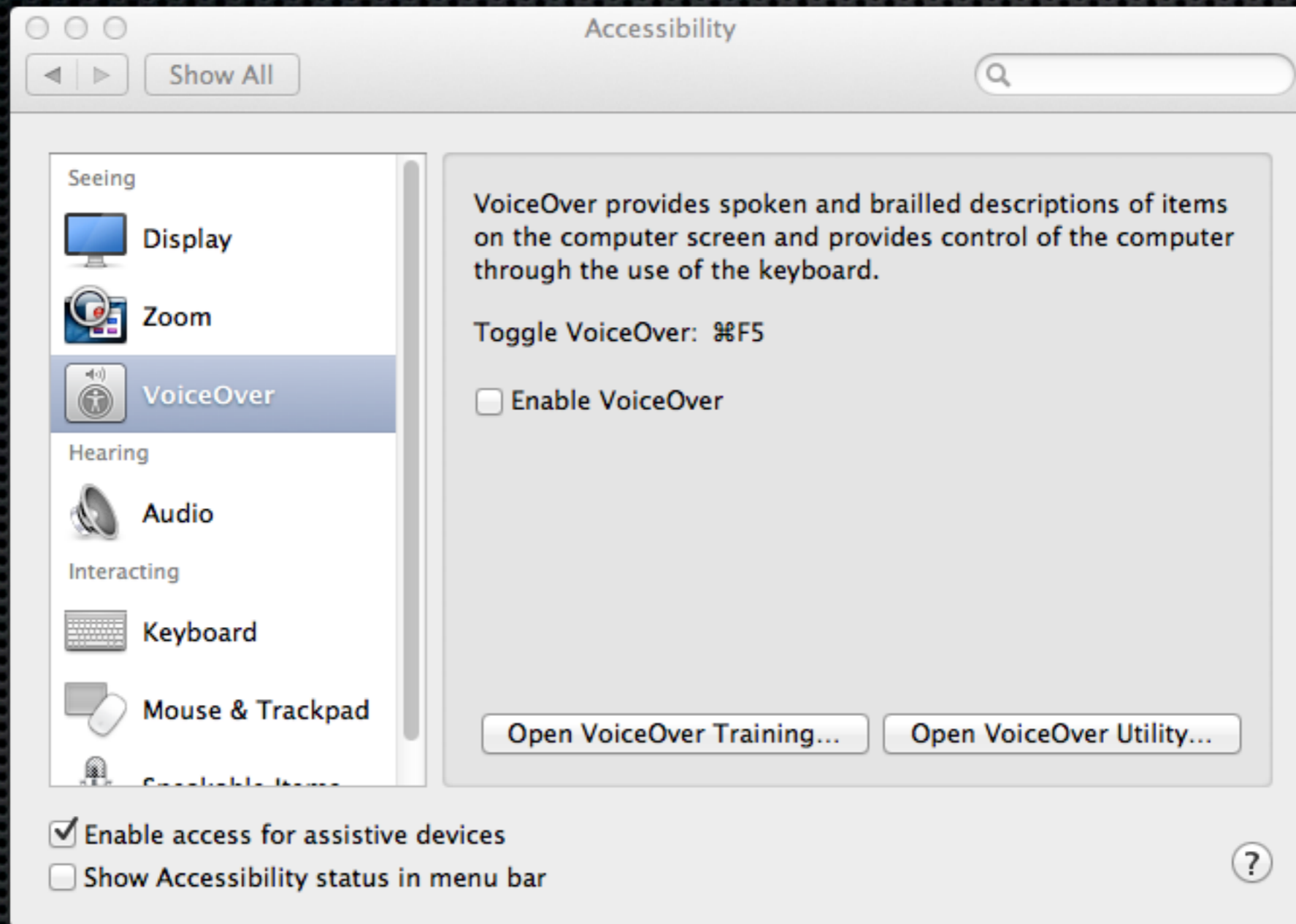
## Three main areas

- **VoiceOver** - Accessibility features built into iOS & OSX
- **Text to Speech** - System wide integration to convert Text to Audio
- **Voice Recognition**
  - System Control
  - System Dictation
  - Third Party Applications - Dragon Dictate 3.0

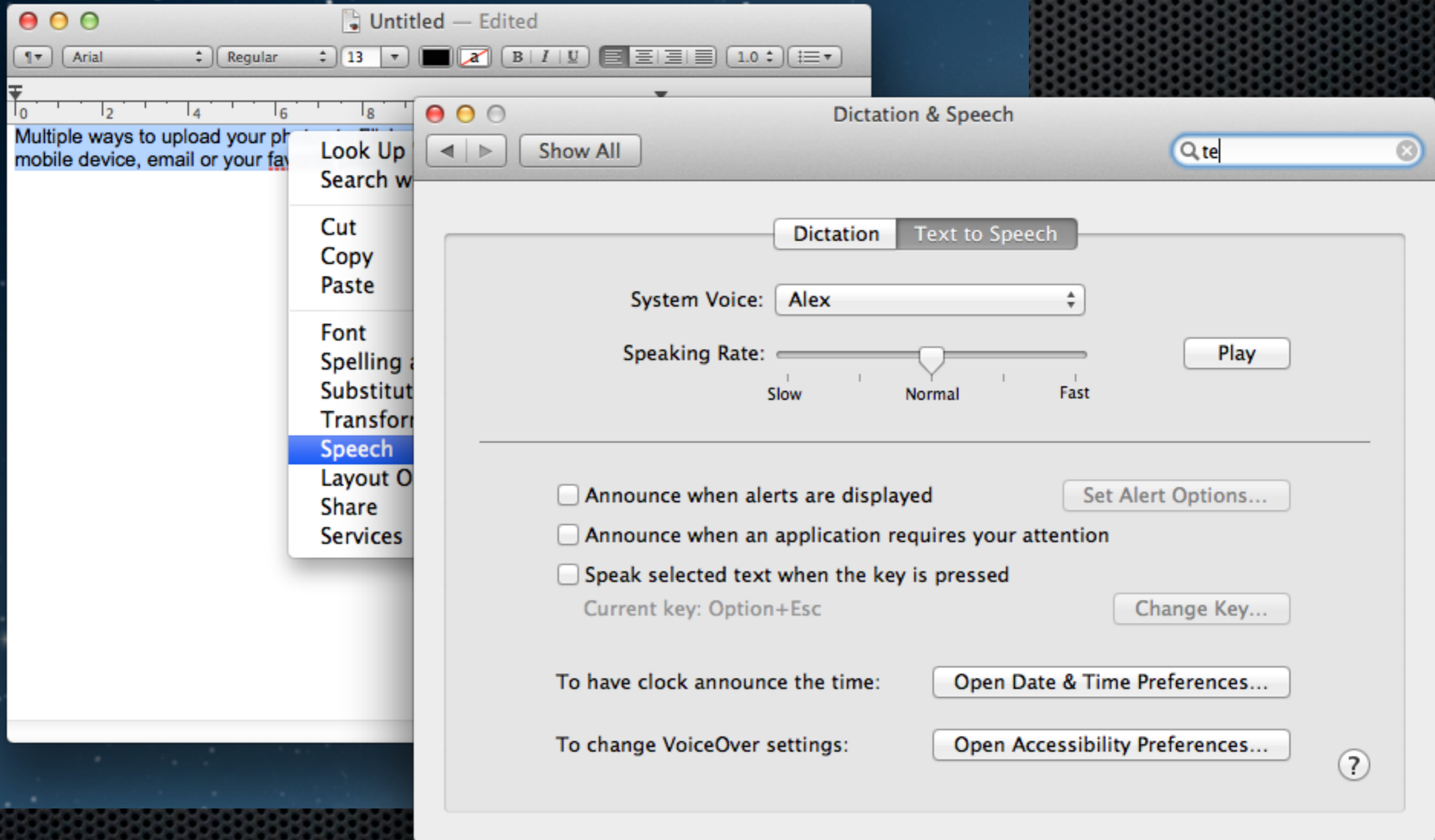
# VoiceOver



# VoiceOver



# Text to Speech



# System Control



Accessibility

Show All

te

Display

Zoom

VoiceOver

Hearing

Audio

Interacting

Keyboard

Mouse & Trackpad

Speakable Items

Enable access for assistive devices

Show Accessibility status in menu bar

Accessibility

Show All

te

Settings Listening Key Commands

Listening Key: Esc

Change Key...

Listening Method:

Listen only while key is pressed

Listen continuously with keyword

Keyword is: Required before each command

Keyword: Computer

Enable access for assistive devices

Show Accessibility status in menu bar

# System Control Demo



**Accessibility** Show All te

**Speakable Items**

Settings | Listening Key | **Commands**

Select a command set.

On	Name	Listen for commands that include contact names in Messages, Calendar, Mail, and Contacts.
<input checked="" type="checkbox"/>	Contacts	
<input checked="" type="checkbox"/>	Global Speakable Items	
<input checked="" type="checkbox"/>	Application Specific Items	
<input checked="" type="checkbox"/>	Application Switching	
<input type="checkbox"/>	Front Window	
<input type="checkbox"/>	Menu Bar	

**Configure** **Open Speakable Items Folder** **Helpful Tips...**

Enable access for assistive devices  Show Accessibility status in menu bar

**Speakable Items**

- Application Speakable Items
- Cancel last command
- Close Speech Commands window
- Close this window
- Copy this to the clipboard
- Define a keyboard command
- Get my mail
- Hide this application
- Insert today's date
- Listen continuously
- Log me out
- Make new item
- Make this into a sticky note
- Make this speakable
- Minimize Speech Commands window
- Minimize Speech Feedback window
- Minimize this window
- Move page down
- Move page to bottom
- Move page to top
- Move page up
- Open a document
- Open my browser
- Open Speech Commands window
- Open Speech Feedback window
- Open the Speakable Items folder
- Open the Speech Preferences
- Open VoiceOver
- Paste the clipboard here

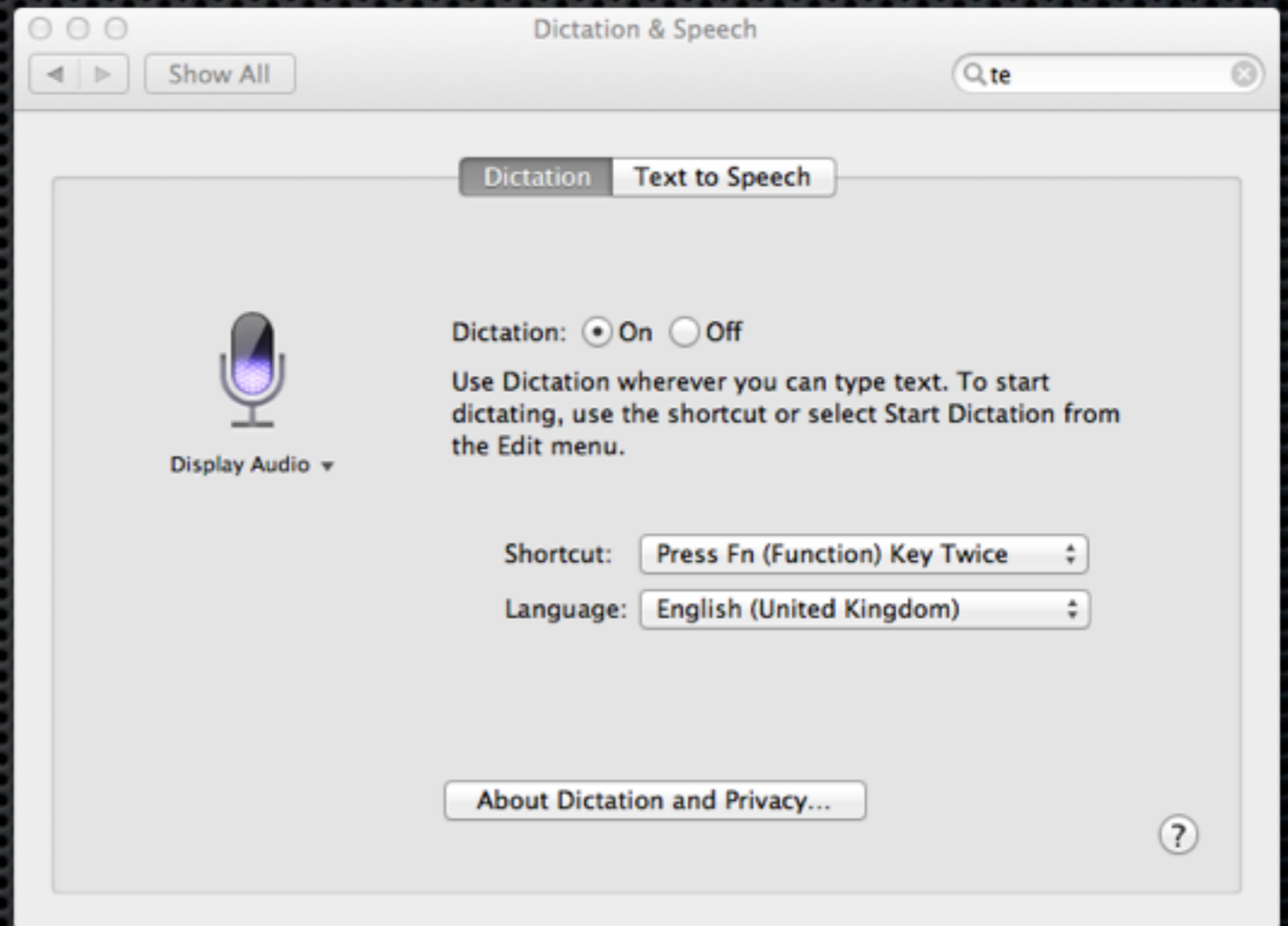
Macintosh SSD > Users > mcallisterd > Library > Speech > Speakable Items

38 items, 237.88 GB available

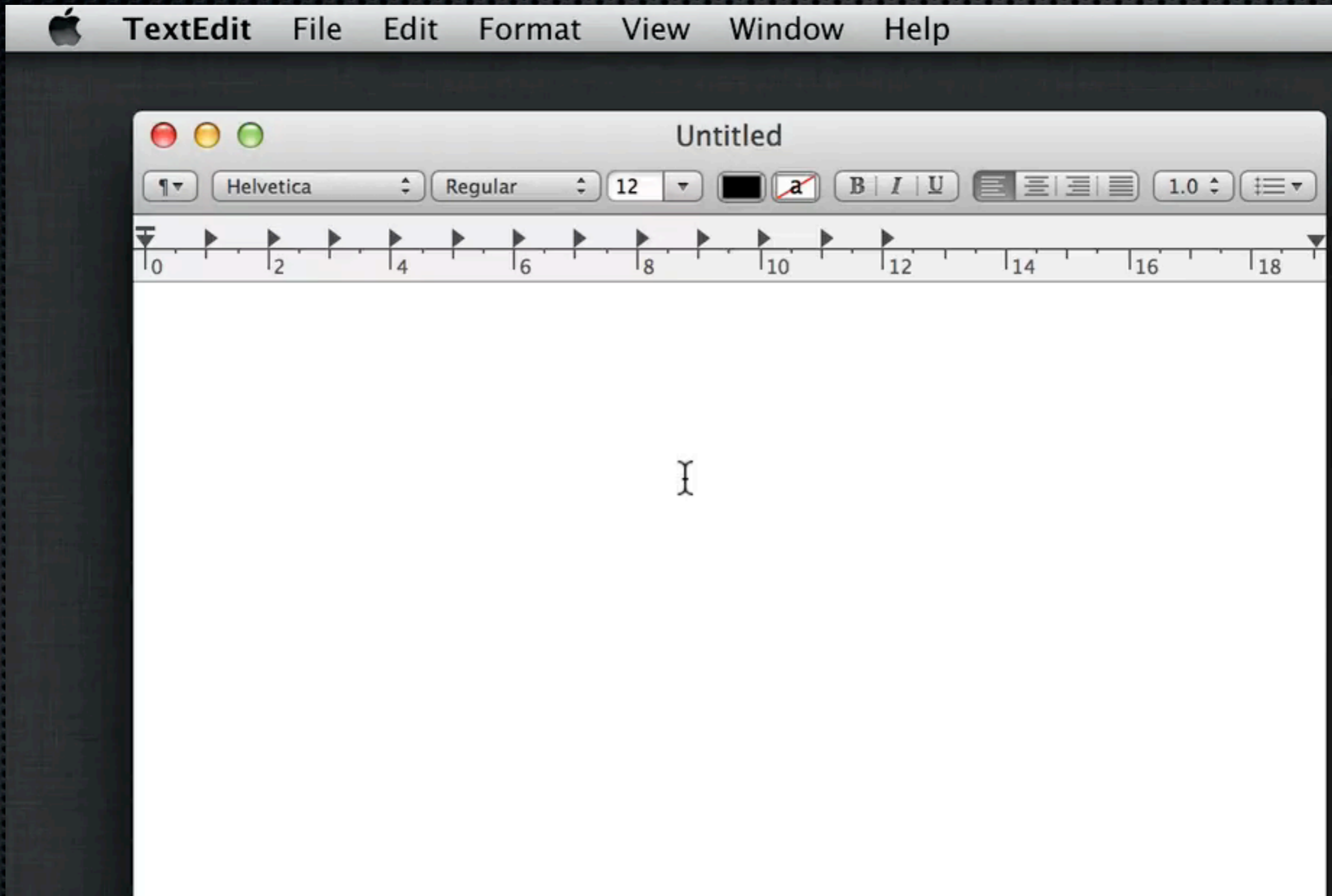


# Dictation

- ✦ Select the best microphone
- ✦ Select the required key combination
- ✦ Use short bursts
- ✦ Speak clearly and enunciate properly
- ✦ No correction
- ✦ No editable vocabulary



# Dictation



# Full Dictation

## Dragon Dictate for Mac 3

- ✦ **Accuracy** - 15% more accurate
- ✦ **Corrections** - Faster and easier
- ✦ **Control** - Works in virtually app
- ✦ **On The Go** - iPhone, iPad & iPod Touch

# Demo



# Full Dictation

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# Demo



# Any Questions?

Contact Details

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