

FTA Foundation for Information Technology Accessibility

Accessibility on the Go

ANDROID & IOS REVIEW

Making sure technology works for you and not against you

Stanley M Debono – 2nd December 2014

VoiceOver (IOS) and Talkback (Android)

- VoiceOver is Apple’s innovative screen-reading technology, which gives users control over their devices without having to see the screen.
- VoiceOver does this by acting as an intermediary between an application’s user interface and the user’s touch, providing audible descriptions of elements and actions in the application.
- When VoiceOver is active, users don’t have to worry about accidentally deleting a contact or calling a phone number, because VoiceOver tells them where they are in the user interface, what actions they can take, and what the results of those actions will be.

Vision

ALTERNATIVES TO VISUAL CUES

Vision

Vision

- **Read with fewer distractions**
Use Safari Reader to reduce the visual clutter — like ads and buttons — on some web pages so you can focus on whatever you’re reading. Just tap the lined paragraph icon next to the web address in Safari.
- **Make your text bigger and bolder**
Make the text on your screen bigger and bolder so it’s easier to read. You can enable Bold Text and Larger Type in Settings > General > Accessibility.

Vision

Vision

- Increase background contrast**

You can increase the contrast on some backgrounds to improve legibility. Just go to Settings > General > Accessibility to reduce transparency, darken colors, and reduce white point.
- Zoom in on text and images**

Zoom allows you to magnify elements on the screen and works wherever you are in iOS, from Mail and Safari to the Home and Lock screens. Go to Settings > General > Accessibility to turn on the Zoom feature.

Choose between full screen or picture in picture mode, allowing you to see the zoomed area in a separate window while keeping the rest of the screen at its native size.

Vision

The image shows three screenshots from an iOS device. The first is the 'VoiceOver' settings page with the toggle turned on. The second is a 'Messages' thread with a 'Handwriting' overlay and a keyboard. The third is the 'English' language settings page with 'Enhanced Quality' turned on.

Vision

- Turn on VoiceOver**

The VoiceOver screen reader allows you to navigate and interact with your iOS device even if you can't see it. You can turn on VoiceOver in Settings > General > Accessibility.
- Draw letters instead of typing**

With VoiceOver, you can draw letters on the screen and have them translated to text in Mail, Notes, and other applications.
- Change the dialect for VoiceOver**

You can change the dialect of VoiceOver on your iPad, iPhone, or iPod touch so it's easier to understand. Just go to Settings > General > Accessibility > VoiceOver > Languages & Dialects.

Vision

The image shows three screenshots from an iOS device. The first is the 'Maps' app showing a street view with a speech bubble: "Approaching intersection with 9th Avenue." The second is the 'Camera' app showing a photo of two women with a speech bubble: "Two faces." The third is the 'Photos' app showing a photo of a woman on a bicycle with a speech bubble: "Portrait: Saturday, June 18th, 5:40pm. Crisp, well-lit image."

Vision

- Let Maps tell you where you are**

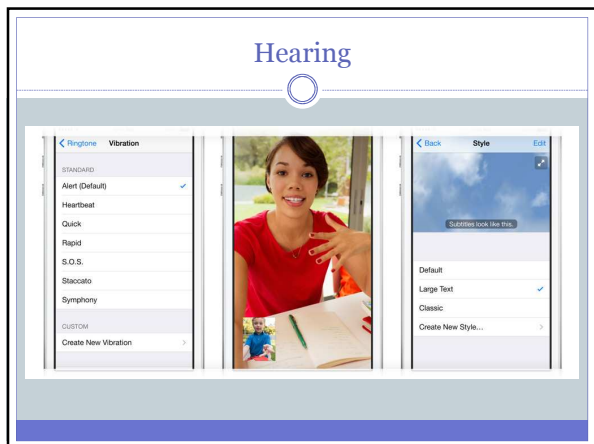
In Maps, VoiceOver will tell you the direction you are traveling as well as your current location and nearby landmarks.
- Let your camera talk you through the shot**

In the Camera app, VoiceOver will tell you how many people are in your shot and where they are on the screen.
- Get spoken photo descriptions**

In Photos, VoiceOver will tell you the date of a photo, its orientation, whether it's crisp or blurry, and how well lit it is.

Hearing

ALTERNATIVES TO AUDIO CUES AND INPUT



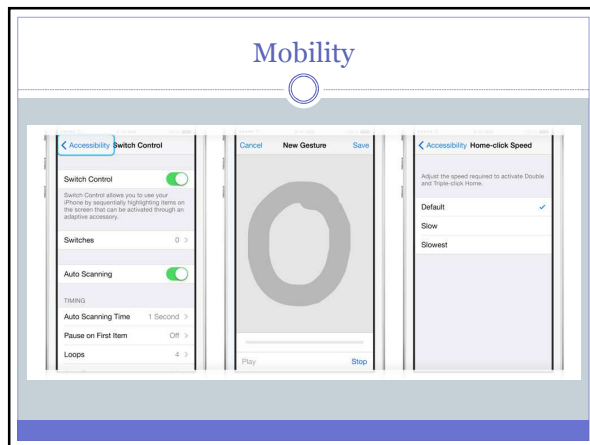
Hearing

Hearing

- Get personalized vibration alerts**
 You can create personalized vibration patterns for incoming messages and FaceTime calls. Under any name in your contacts, just tap Edit and then tap Vibration. You can also create new custom vibration patterns in Settings > Sounds > Ringtones > Vibration.
- Have a conversation in sign language**
 Having a sign language conversation is easy using a FaceTime video call. To start a FaceTime call, tap the FaceTime button under a name in your contacts or on the screen during a regular call.
- View closed captions**
 To turn on the captions in closed-captioned movies and TV shows, go to Settings > General > Accessibility and tap Subtitles & Captioning. You can even customize captions by size, font type, and color.

Mobility

ALTERNATIVE INPUT AND CONTROL



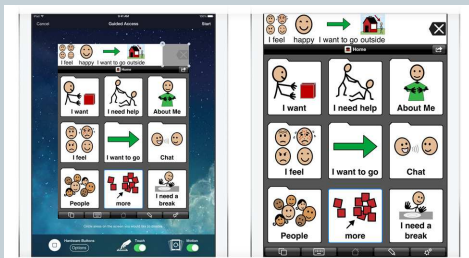
Mobility

- Give input using your camera or other devices**
 Control your iPad, iPhone, or iPod touch using third-party Bluetooth switches or with head movements and your device's camera. You'll find Switch Control in Settings > General > Accessibility.
- Create your own input gestures**
 AssistiveTouch lets you create custom gestures to control your iOS device, allowing you to perform many actions using only one finger. AssistiveTouch is located in Settings > General > Accessibility.
- Make the Home-click speed faster or slower**
 Change the speed required to activate Double- and Triple-click Home commands. Just go to Settings > General > Accessibility > Home-click Speed.

Accessibility for All

GENERAL USABILITY FEATURES

Accessibility for All



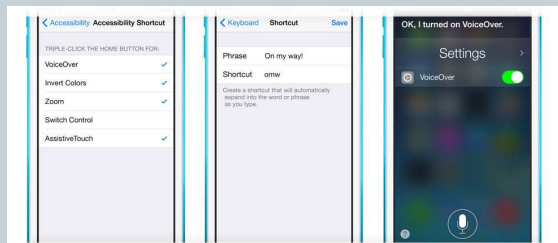
Accessibility for All

- **Restrict iPad to a single app**

Guided Access lets you temporarily limit your iPhone, iPad, or iPod touch to a single app and control which app features are available — a great option for young children.

You'll find Guided Access in Settings > General > Accessibility along with instructions on how to use it.

Accessibility for All



Accessibility for All

- **Turn on an accessibility feature using your Home button**

Accessibility Shortcut lets you quickly turn accessibility features on and off by triple-clicking your Home button. Just go to Settings > General > Accessibility > Accessibility Shortcut to select features you use the most.

- **Create your own keyboard shortcuts**

If there's a word or phrase you use often, create a custom keyboard shortcut and iOS will type it for you. To create shortcuts, go to Settings > General > Keyboard.

- **Let Siri help you with that**

Siri can turn on VoiceOver, Invert Colors, or Guided Access for you. All you have to do is ask. Just hold down the Home button to access Siri.

Thank You

Stanley M Debono

Tel: 25992048
 Website: www.fitamalta.eu
 Email: info@fitamalta.eu
 Reference: <https://www.apple.com/ios/accessibility-tips/>