

A Crash Course in iOS Accessibility

Presented by Danny Housley, Tools for Life
GATE 2017

AMAC Accessibility

AMAC creates practical solutions that work, with a focus on utility, ease of use, and high quality.

- **Accessibility Consulting** focuses on organizational accessibility needs with evaluation, technical assistance, customer support, and web accessibility solutions.
- **Braille Services** produces customized projects from both print materials and electronic text including partial books and chapters or graphics
- **Captioning Services** makes classrooms, meetings, labs and other audio environments fully accessible for deaf or hard-of-hearing.
- **Professional E-Text Producers** provide high-quality e-text in many formats such as PDF, DOC, DAISY, and HTML.
- **Certified Assistive Technology team** provides on-site and remote assessments, demonstrations, training and technical assistance for education, work, and daily living environments.
- For more information: www.amacusg.org



Tools for Life

Tools for Life, Georgia's Assistive Technology Act Program, is dedicated to increasing access to and acquisition of assistive technology (AT) devices and services for Georgians of all ages and disabilities so they can live, learn, work and play independently and with greater freedom in communities of their choice.





**disABILITY
LINK**
the center for rights & resources



**Disability
Resource
Center**



MULTIPLEchoices
Center for Independent Living



Georgia's Assistive
Technology Act Program



C4ATX

Center4ATEXcellence



The Middle Georgia Center for Independent Living, Inc.

WALTON



options
for Independent Living

LIFE

Living Independence For Everyone
Health, Housing, and the 504 Project



**Coastal
Regional
Commission**
OF GEORGIA
AREA AGENCY ON AGING



BAIN, INC.
Center for Independent Living



AT Solutions Lab



A Crash Course

A problem has been detected and Windows has been shut down to prevent damage to your computer.

The problem seems to be caused by the following file: kbdhid.sys

MANUALLY_INITIATED_CRASH

If this is the first time you've seen this stop error screen, restart your computer. If this screen appears again, follow these steps:

Check to make sure any new hardware or software is properly installed. If this is a new installation, ask your hardware or software manufacturer for any Windows updates you might need.

If problems continue, disable or remove any newly installed hardware or software. Disable BIOS memory options such as caching or shadowing. If you need to use safe mode to remove or disable components, restart your computer, press F8 to select Advanced Startup Options, and then select Safe Mode.

Technical Information:

*** STOP: 0x000000e2 (0x00000000, 0x00000000, 0x00000000, 0x00000000)

Apple and Accessibility



- Built in, not bolted on
- Options for various disability types
- Started with non-visual and low vision access
- Blossomed

Non-Visual Access

VoiceOver

- For users with print related disabilities
- iPhone 3GS Debut
- Screen Curtain
- Voices
- Gestures
- Privacy
- Audio descriptions



The power of the Rotor

Visual Access

Features for Users with Low Vision



- Zoom
- Magnifier
- Display Accommodations
- Dynamic Text

Zoom and Magnifier in Action



Screen Accommodations



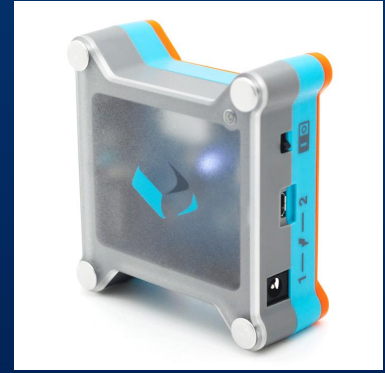
- Invert colors
- Color filters
- Reduce white point



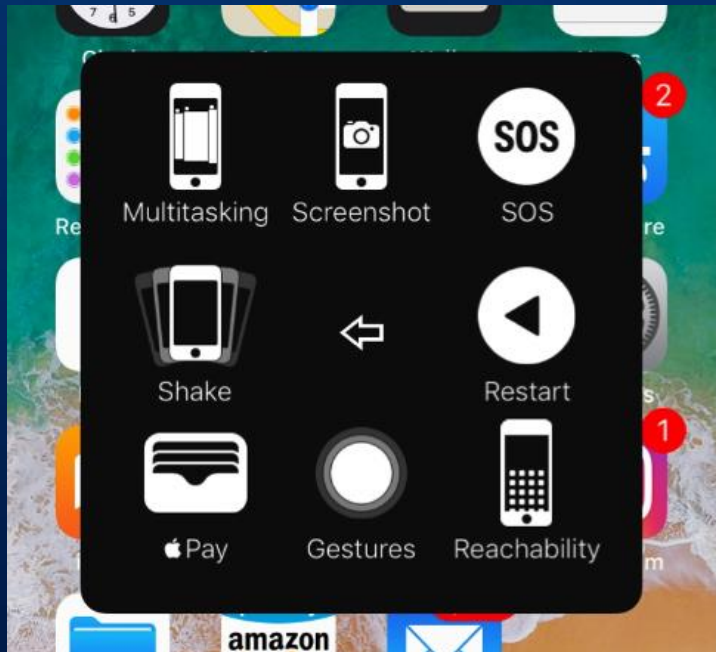
Physical Access

Switch Access

- Offered on all iOS (and MacOS) devices
- Bluetooth or wired with adapter
- Can use camera or keyboard to control scanning



Assistive Touch



- Very customizable
- Gestures
- Menus
- Functions

Input Options



- One handed keyboard
- Type to Siri
- Dictation
- Voice commands
- Handwriting with and without VoiceOver

Siri: Your Digital Frenemy



- Open apps
- Send messages
- Ask questions
- Control settings

Apple HomeKit

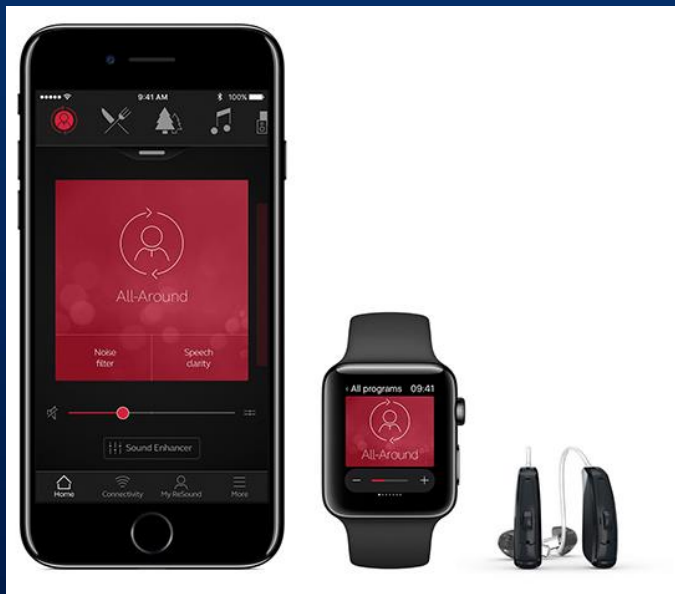


- Your native environmental control unit
- Control with voice or manually
- Interacts with dozens of devices (lights, doors, outlets, switches, alarms, etc...)



Hearing Access

Supports for Hearing



- MFi hearing devices
- Live listen
- Flashing alerts
- Customized vibrations
- Software TTY
- Mono audio
- FaceTime
- iMessage

Emergency SOS

Best Practices



- Never be afraid to explore and customize!
- Peer support groups offer lessons
- Contact us!
- Can't find an accessibility feature? Try a third party app

**What features to you want to see?
(call the Apple Accessibility line and
tell them)**

Questions?

Comments?

Small jokes?

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TOOLS *for* LIFE

Georgia's Assistive Technology Act Program



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Disclaimer



Disclaimer: Produced by Tools for Life (TFL), which is a result of the Assistive Technology Act of 1998, as amended in 2004. TFL is a program of the Georgia Institute of Technology, College of Design, AMAC Accessibility Solutions and Research Center and was made possible by Grant Number H224C030009 from the Administration for Community Living. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of HHS.