



Apps for Accessibility

One Tech to Rule them All...



What is an App?

- An app, or application, is a third-party software program specifically for smartphone technology.
- Apps use the operating system of the device.
- 6 billion apps are downloaded monthly!



How Do I Get Started?

1. Choose the appropriate device and storage size
2. Choose accessories
3. Create an iTunes account
4. Find apps
5. Purchase apps and sync device
6. Learn to control and navigate the device
7. Learn accessibility features
8. Train staff and client
9. Step by step instructions available from Apple



Advantages of iPad/iTouch devices

- Portable
- Touch screen
- Portrait or landscape modes
- Front and back facing Camera (stills and video)
- Voice Over screen reader
- Zoom up to 500%
- Speak Auto-text (says what you are typing)
- FaceTime – video calls
- Diversity of apps on one device
- Inexpensive
- Use for videos, music, web surfing, email, composition and more!
- Free custom engraving
- Word prediction
- Large font setting
- White on black contrast setting
- Mono Audio setting for those with hearing in only one ear
- Cool factor



Accessibility Features

- **VoiceOver** screen reader
- **Zoom** to magnify screen
- **Large Text** for Mail and Notes
- **White on Black** high contrast
- **Mono Audio** single ear use
- **Speak Auto-text** is audible word-prediction when writing
- **Triple click home** can be set to do different things, such as turning on and off VoiceOver or contrast settings.



Disadvantages of Touch Devices

- Easily lost or stolen
- Have to hold it with one hand or prop it up
- Onscreen keyboard too small for some users
- Visual display too small for some users
- Sound amplification needed for AAC use
- Can not run two programs at the same time
- Accessibility features require manual dexterity
- Intended for single user, not friendly to sharing
- Some features have subscription fees (3G)
- Poor for file management tasks

What to buy?

iPod Touch 4th generation

Apple A4 processor

30 hour battery life

3.5 inch display

64 GB model holds approx. 14,000 songs

Disadvantages:

Lower quality speakers than iPad

Small screen size that makes typing difficult

Wifi only

Price: \$229-\$399



iPad 2

Dual-core A5 Chip

10 hour battery life

Large 9.7 inch LED display

Connect to wifi or 3G cell service

64 GB model holds approx. 14,000 songs


Disadvantages

- Not as portable as iPod
- Does not have full functions of a laptop

Price: \$499-\$829



Cost

<u>iPad</u>	16GB <u>wifi</u> \$499	<u>wifi + 36</u> \$629		<u>iTouch</u>	8GB <u>wifi</u> \$229
	32GB <u>wifi</u> \$599	<u>wifi + 36</u> \$729		32GB <u>wifi</u> \$299	
	64GB <u>wifi</u> \$699	<u>wifi + 36</u> \$829		64GB <u>wifi</u> \$399	

What about the iPhone?

Same basic functionality as the iTouch, with a thicker body and the ability to connect to 3G wireless network
Can make phone calls

Price: Starts at \$49 with service contract from AT+T or Verizon

Good for older students as an all in one device

Keep in mind

- Limited Hardware only warranty (1 year)
- No accidental damage coverage
- Not as durable as more expensive communication devices
- Not a “dedicated” device, so does not qualify under Medicaid
- Gives access to EVERYTHING



Accessories for Access

- Speakers (Rj Cooper, AMDI, iMainGo2)
- Switch port (RJ Cooper)
- Plastic Screen Cover
- Case (Otterbox, Rj Cooper, AMDI, iMainGo2, Apple, Various)
- Keyboard/docking station
- Printer
- Mounts, wheelchair
- Bluetooth hearing aid
- Projector adapter



How to Hide Apps

SOLUTION 1: REMOVE ANY UNNECESSARY APPS THAT ARE CAUSING A PROBLEM.

SOLUTION 2: MAKE APPS HARDER TO FIND WITHOUT REMOVING OR DISABLING THEM.

SOLUTION 3: TURN OFF THE IPOD'S WIFI ACCESS

SOLUTION 4: SET APP RESTRICTIONS WITH A SECRET CODE TO TURN SOME APPS OFF

SOLUTION 5: LEAVE THE INTERNET CONNECTED, BUT LIMIT CONTENT LEVEL



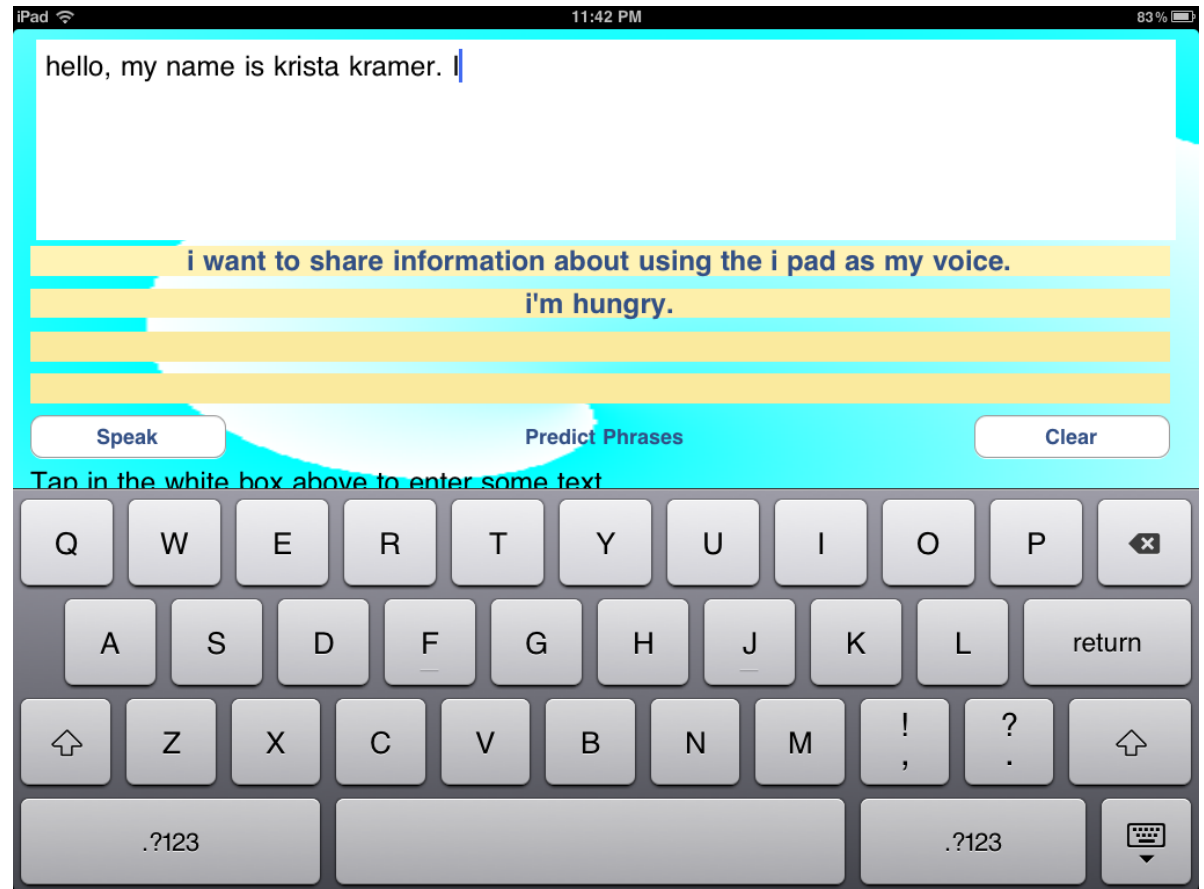
Communication Apps



Communication

Easy Speak— \$1.99

- Word Prediction
- Phrase Prediction
- Choice of voices

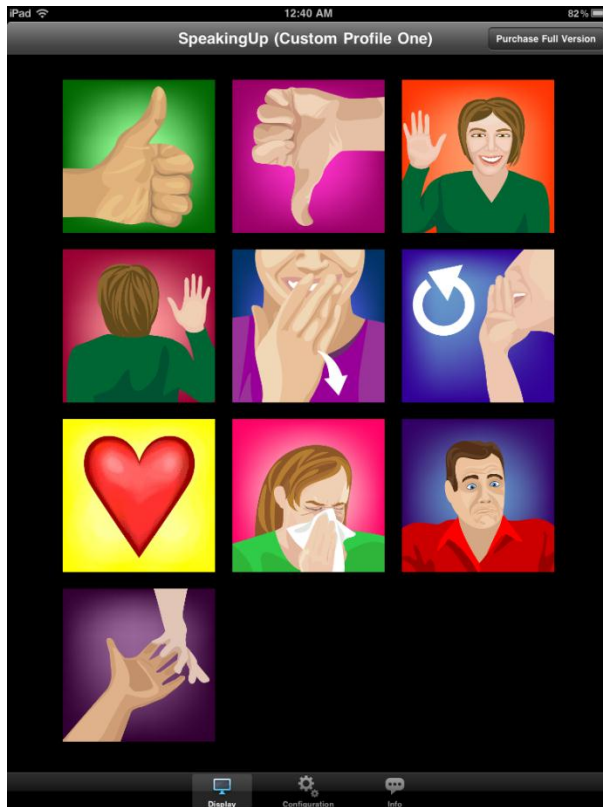


Communication

Verbally

- Free download –
- Type out words or use prediction mode. Includes alarm bell for attention. Supports Bluetooth keyboard.





Speaking Up – free version

- 10 commonly used concepts
- human voices
- full version - \$14.99

TapToTalk – free version

- layered categories
- additional access to icon library requires subscription



Communication

- **MyVoice** Communication Aid, **Free** –
- Tree-like menuing system of communication topics. Can add own communication categories/topics/symbols



Communication

- **Proloquo2Go \$189**

1. Import your own images or use built in-camera
2. 8,000 vocabulary items
3. Core vocab system, basics section and side-categories
4. Every cell customizable
5. Message window allows sentence construction and read back
6. Text-to-speech enabled
7. Word Prediction available for typing
8. Multiple voices and accents
9. List or grid view
10. Customize cells for size, color, interactivity and speech
11. Supports cut, copy and paste
12. Memory of spoken items up to one-week



Answers Yes/No

\$.99

Answers Yes/No

Three voices to
choose from

Another yes/no
app is available
with English or
Spanish voices at
a higher cost from
Smarty Ears



Demonstrate

- Tap Speak
- Proloquo2go
- Tap to Talk
- iCommunicate,
- Small Talk,
- Easy Speak,
- My Voice
- Facetime

Demo Language App: ABA Flash Cards



iPad Access Options



iPad Steady Stylus
shapedad \$40.00 USD



iPad Mouthstick Stylus
shapedad \$40.00 USD



Switch Access to Apps

RJ Cooper offers a Bluetooth based switch interface for iDevices for \$99.00

Ablenet offers the Blue2 switch

Switch Accessible Apps:

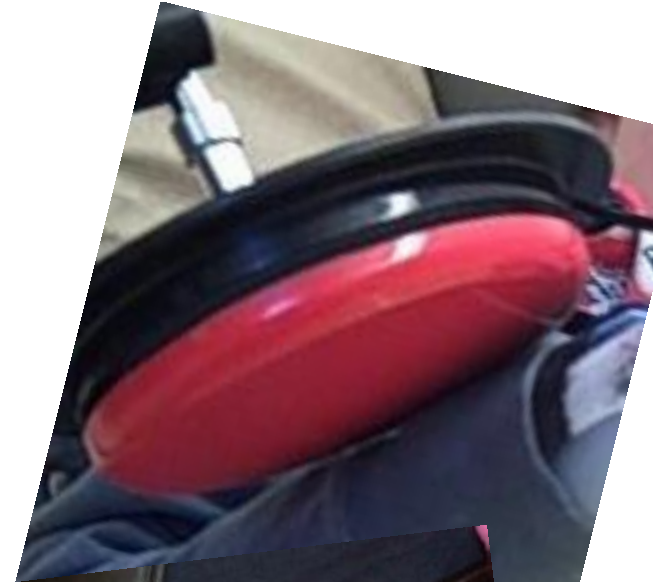
Tap Speak Choice

RadSounds

Alexicom

Rad Sounds

Etc..



Keyguard



From lasered Pics



\$4.99 Buy App



+ This app is designed for both iPhone and iPad

Category: Education

Updated: May 28, 2011

Current Version: 1.0.2

1.0.2

Size: 1.0 MB

Language: English

Seller: Attainment Company, Inc.

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Rated 4+

Attainment Switch

Description

The Attainment Switch turns your iOS devices into a wireless accessibility switch! Use it to communicate with scanning enabled software running on any Mac or Windows PC. Easy to customize, allowing access to any switch accessible software and replaces expensive switch interfaces and wired switches.

Features:

One-button and two-button switch mode

Use your own images for each button (currently only PNGs), or use the ones we supply (more will be added in future updates!)

Easy to set up — get started in a few seconds

Works with any scanning accessible software

Requirements:

A Mac or PC running the helper software (available for free at <http://switch.attainmentsoftware.com>)

A wireless network connection to that Mac or PC (either via a wireless router or an ad hoc connection)

[Attainment Company Web Site](#) > **[Attainment Switch Support](#)** >

What's New in Version 1.0.2

Fixes for users running iOS 3.1.3

Option to play sound

Reading Apps



Reading (Text-to-Speech)

- Built in Voice Over (VO) feature will read any text on the iPad/iTouch. Can be linked with the free **iBooks** App to read books.

Advantages

- Free text-to-speech option
- Works with any displayed text

Disadvantages

- Difficult to setup
- No multi-modal reading
- Few additional options



Demonstrate

- Artikpixfull
- Pictello
- Story Kit
- Audio books
- Interactive Books (cat in the hat, itsy bitsy spider)
- iBooks

Writing Apps



Demonstrate

- 123 writing
- Dragon
- First Words
- Sentence Builder

Apps for Behavior



Conover Company

Forty-two Apps for Special Needs

Range in Price from free to \$.99

Apps focus on functional academics and life skills, including social and vocational skills



Everyday Skills and Living Safely

- \$49.99 and \$34.99
- By Ablelink and Attainment Company
- Everyday Skills addresses 40 life skills for home and community through self-directed lessons
- Living Safely addresses safety issues at home and in the community
- Aimed at those with moderate disabilities



Demonstrate

- Time Timer
- iReward
- Going places
- social HD
- talking tom
- autismxpress
- white-noise app

iPrompts - \$49.99

*Make activity choices

*Countdown timer

*Picture schedules



Math Apps



Top Ten Free Apps for Math

1. Math Tutor Lite
2. iFormulas
3. Number Line
4. Sudoku
5. Basic Math
6. Quick Graph
7. Touch Calc
8. Tanzen Lite
9. Units
10. Math Drills Lite



Demonstrate

- Math drills
- money

Other Helpful Apps



video relay

- any call can be interpreted into/from sign language

Purple VRS – free



IEP Checklist App

- Free
- Checklist to make sure you complete all steps
- Explains roles of IEP team members and gives reference information
- Can record audio of IEP meetings
- Links out to federal regulation websites



Hearing

- Turn your iPad/iTouch into a Pocketalker with *Amplify'd* for \$.99



Portability

Dropbox – Free

<http://www.dropbox.com/>

- lets you bring all your photos, docs and videos anywhere
- access all yours stuff from all your devices



Web Resources

Apple Special Education App Section

<http://itunes.apple.com/WebObjects/MZStore.woa/wa/viewMultiRoom?fcId=399470755>

Apps for Special Education

<http://a4cwsn.com/apps/apps-a-z/>

Communication Apps

Spectronics...

100+ Communications Apps List

- <http://www.spectronicsinoz.com/article/iphoneipad-apps-for-aac>



Apps for AAC

By Jane Farrall



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