Wireless Independence Now

An Overview of Smartphone Accessibility Features

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- General Questions
- What is Accessibility
- iOS and Android Accessibility Features
- Assistive and Accessibility Apps
- Accessibility Resources





Questions for the Group

- What type of phone or tablet do you have?
- What do you like about your device?
- What do you not like about your device?
- How did you choose your device?





Accessibility – what does that mean?

- Wireless accessibility is the ability to access and benefit from mobile phones and tablets.
- Accessibility means that a product, device, service, or environment is available and usable to as many people as possible.



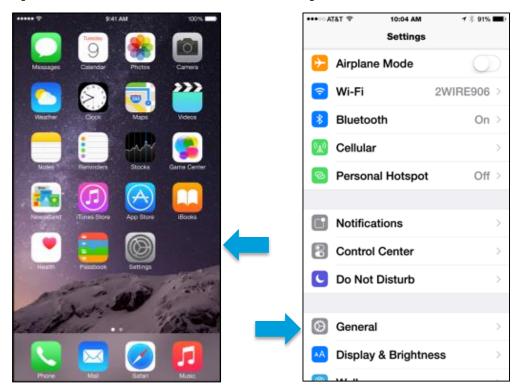


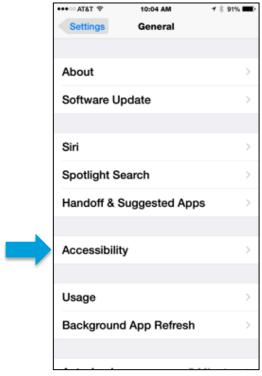
Demonstration of iOS & Android Accessibility Features





Apple Accessibility Features

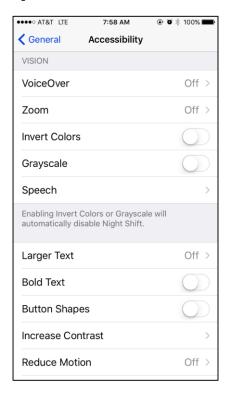


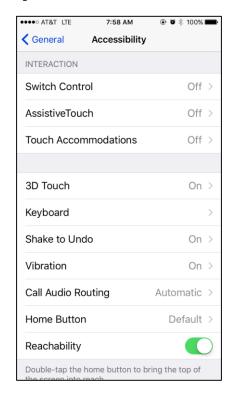


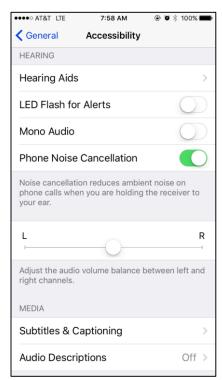




Apple Accessibility Features





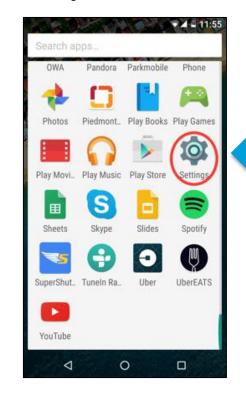


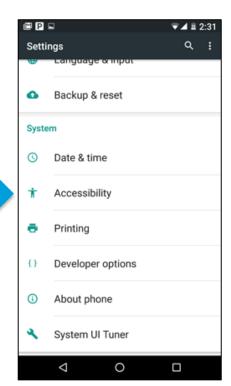




Android Accessibility Features





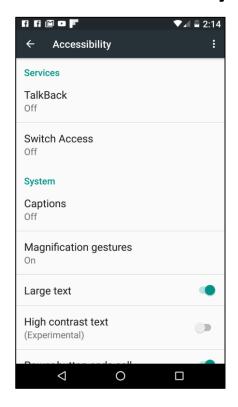


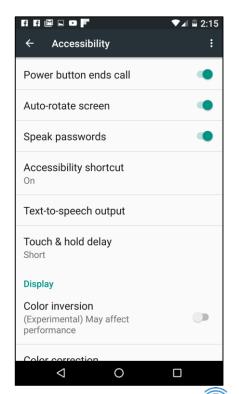






Android Accessibility Features









Accessibility Features Helpful for Everyone

Apple Devices (iPhone/iPad):

- Siri Voice Control
- Accessibility Shortcut

Android Devices (LG, Samsung, HTC Phones/Tablets):

- Google Now and Ok Google Voice Control
- Accessibility Shortcut





Apple: Siri – Voice Control



Press and hold the Home button or say, "Hey Siri!"



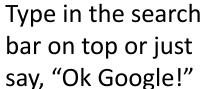






Android: Ok Google – Voice Control



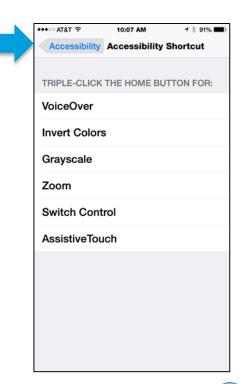






Apple: Accessibility Shortcut

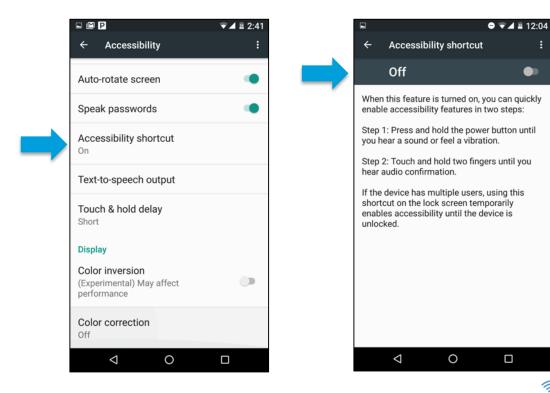








Android: Accessibility Shortcut







Accessibility Features for People who have Difficulty Seeing

Apple Devices (iPhone/iPad):

- VoiceOver Screen Reader
- Zoom
- Larger Text
- Bold Text
- Invert Colors

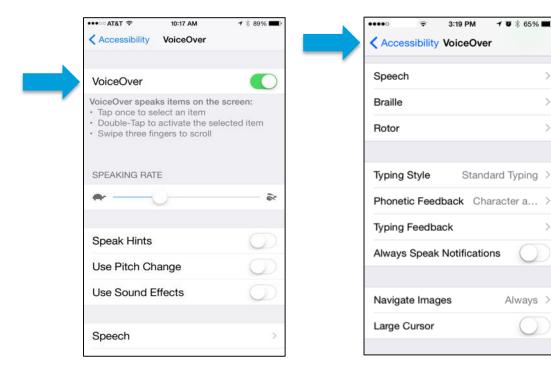
Android Devices (LG, Samsung, HTC, Motorola Phones/Tablets):

- Talk Back Screen Reader
- Magnification Gestures
- Large Text
- Color Inversion





Apple: VoiceOver – Screen Reader



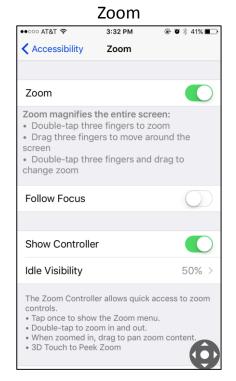


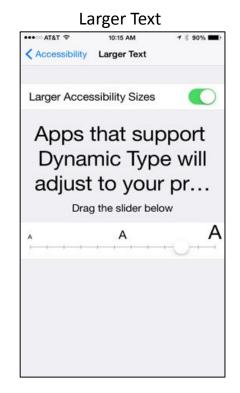
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Standard Typing >

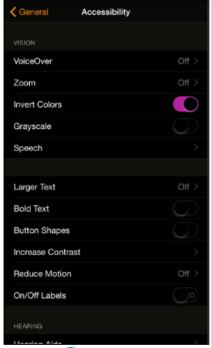


Apple: Zoom, Larger Text, Invert Colors





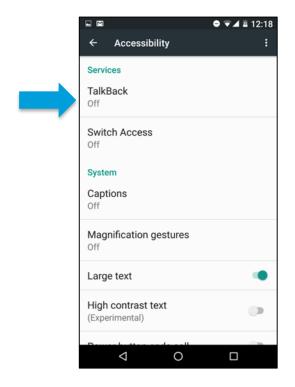
Invert Colors



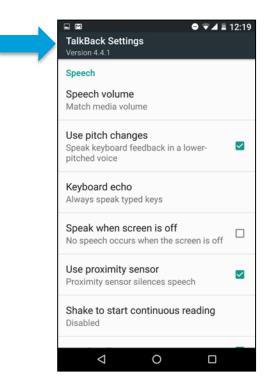




Android: TalkBack – Screen Reader



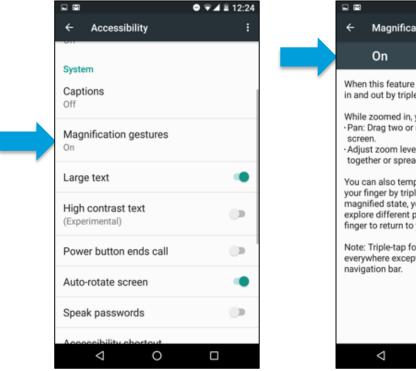








Android: Magnification Gestures

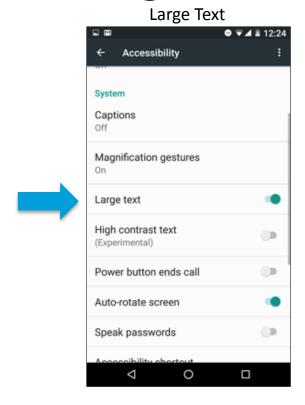




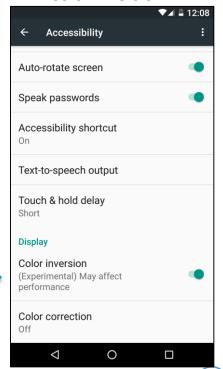




Android: Large Text & Color Inversion



Color Inversion







Vibration Patterns

Apple Devices (iPhone):

- Vibrate on Ring
- New Vibration Pattern

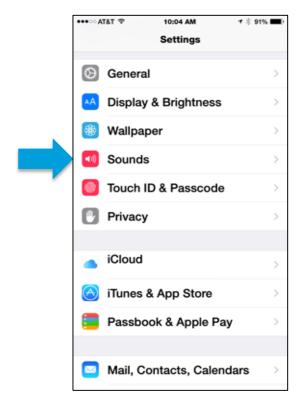
Android Devices (LG, Samsung, HTC, Motorola Phones):

Also Vibrate for Calls





Apple: Vibrate on Ring

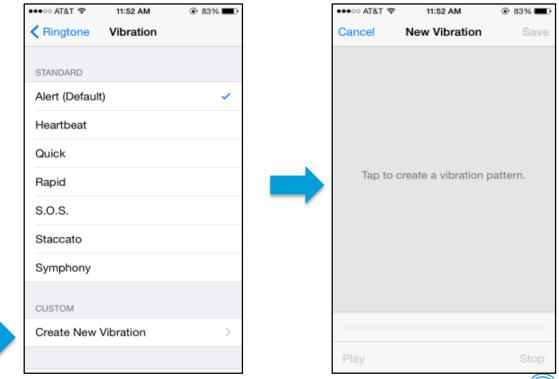








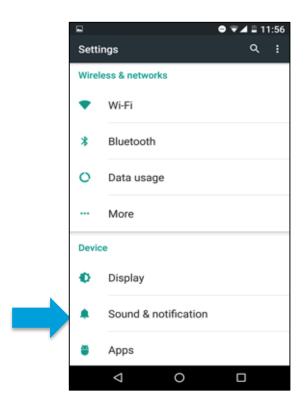
Apple: New Vibration Pattern

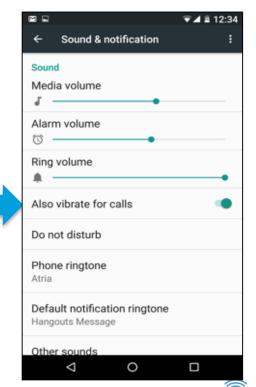






Android: Vibrate for calls









Other accessibility features for vision loss

Apple Devices (iPhone/iPad):

Dictation

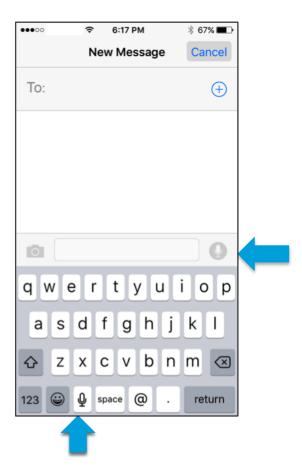
Android Devices (LG, Samsung, HTC, Motorola Phones/Tablets):

- Dictation
- Power Button Ends Calls
- Auto-rotate screen





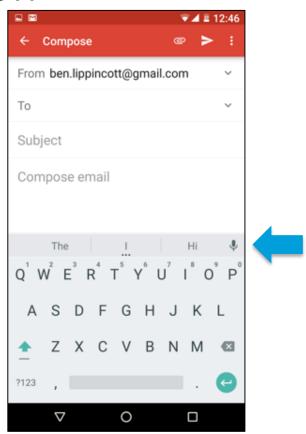
Apple: Dictation







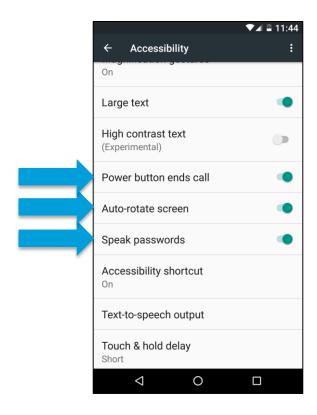
Android: Dictation







Android: Power Button Ends Calls, Autorotate Screen & Speak Passwords













Access Note



- Alternative text input app based on the Braille alphabet
- Identifies three generations of U.S. currency notes beginning in 1993
- Note taking app designed for people with substantial loss of vision

- Provides access to talking books from the NLS Braille and Audio Reading Download (BARD) site.
- Contains nearly 65,000 talking books, magazines, and braille music scores

Examples of Apps for Visual Impairments





Accessibility Resources

- AT&T Accessibility (download presentations) <u>att.com/accessibility</u>
- AT&T Digital You <u>digitalyou.att.com</u>
- AT&T National Center for Customer with Disabilities Voice: 1-866-241-6568;
 TTY: 1-866-241-6567
- AT&T for Disability and Aging for Wireline Services Voice: 1-800-772-3140;
 TTY: 1-800-651-5111
- Wireless RERC wirelessrerc.org
- LiveWell RERC <u>livewellrerc.org</u>
- FCC Accessibility Clearing House <u>ach.fcc.gov</u>
- Global Accessibility Reporting Initiative (GARI) gari.info





Thank You!

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