Wireless Independence Now

An Overview of Smartphone Accessibility Features

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AGENDA

• 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

VISION
VoiceOver OFF
Zoom OFF
Invert Colors
Grayscale
Speech
Enabling Invert Colors or Grayscale will automatically disable Night Shift.

Larger Text OFF
Bold Text
Button Shapes
Increase Contrast
Reduce Motion OFF

INTERACTION
Switch Control OFF
AssistiveTouch OFF
Touch Accommodations OFF

3D Touch ON
Keyboard
Shake to Undo ON
Vibration ON
Call Audio Routing Automatic
Home Button Default
Reachability
Double-tap the home button to bring the top of the screen into view.

HEARING
Hearing Aids
LED Flash for Alerts
Mono Audio
Phone Noise Cancellation
Noise cancellation reduces ambient noise on phone calls when you are holding the receiver to your ear.

Adjust the audio volume balance between left and right channels.

MEDIA
Subtitles & Captioning
Audio Descriptions OFF
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/Tables):
• Google Now and Ok Google – Voice Control
• Accessibility Shortcut
Apple: Siri – Voice Control

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

Image courtesy of Apple
Android: Ok Google – Voice Control

Type in the search bar on top or just say, “Ok Google!”
Apple: Accessibility Shortcut

1. TRIPLE-CCLICK THE HOME BUTTON FOR:
   - VoiceOver
   - Invert Colors
   - Grayscale
   - Zoom
   - Switch Control
   - AssistiveTouch

2. Accessibility Shortcut Off

LEARNING
Guided Access Off

INTERACTION
Switch Control Off
AssistiveTouch Off
Call Audio Routing Automatic
Home-click Speed Default
Reachability

Double-tap the home button to bring the top of the screen into reach.

Accessibility Shortcut Off
Android: Accessibility Shortcut

When this feature is turned on, you can quickly enable accessibility features in two steps:

Step 1: Press and hold the power button until you hear a sound or feel a vibration.

Step 2: Touch and hold two fingers until you hear audio confirmation.

If the device has multiple users, using this shortcut on the lock screen temporarily enables accessibility until the device is unlocked.
Accessibility Features for People who have Difficulty Using their Hands

Apple Devices (iPhone/iPad):
- Touch Accommodations
- Assistive Touch
- Switch Control
- Dictation
- Keyboard Shortcuts
- Swype (3rd Party $0.99 app)
- Apple Pay

Android Devices (LG, Samsung, HTC, Motorola Phones/Tablets):
- Assistant Menu (Samsung)
- Switch Access (Samsung)
- Dictation
- Swype
- Android Pay
Apple: Touch Accommodations

Touch Accommodations Settings

- Touch Accommodations
- Hold Duration
- Ignore Repeat
- Use Initial Touch Location
- Use Final Touch Location
Apple: Assistive Touch

AssistiveTouch allows you to use your iPhone if you have difficulty touching the screen or if you require an adaptive accessory.

Custom gestures allow you to record gestures that can be activated from Favorites in the Menu.
Apple: Switch Control

Switch Control Settings

Switch Control allows you to use your iPhone by sequentially highlighting items on the screen that can be activated through an adaptive accessory.

- Auto Scanning Time: 1s
- Pause on First Item: Off
- Loops: 4
- Move Repeat: Off
- Long Press: Off
- Tap Behavior: Default
- Always Tap Keyboard Key: Off

Switching Style

- Auto

Timing

- Switches: 0
- Recipes: 2

Switching Stabilization

- Switching Color: Blue
Apple: Dictation
Apple: Keyboard Shortcuts, Swype

Keyboard Shortcuts

- Auto-Capitalization
- Auto-Correction
- Check Spelling
- Enable Caps Lock
- Predictive
- “.” Shortcut

Swype

- Google Search
  - Swype
  - swype
  - swype for iphone

On This Page (07 matches)
Find “Swype”

Swype keyboard layout: q w e r t y u i o p, a s d f g h j k l, z x c v b n m, 123, space, return.
Apple: Wallet & Pay

Keep your boarding passes, movie tickets, retail coupons, and rewards cards in one place. And show them on your lock screen when you need them.
Android: Assistant Menu (Samsung only)
Android: Switch Access (Samsung only)

Switch Access allows you to control your device using configurable key combinations. You can move focus to clickable items and select them.
Android: Dictation, Swype
Android: Pay
<table>
<thead>
<tr>
<th>App</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Tetra Alarm</td>
<td>• Highly customizable timer that notifies you of weight shifts, bio-breaks, or to take meds</td>
</tr>
<tr>
<td>Parking Mobility</td>
<td>• Report disabled parking abuse to your city in less than two minutes</td>
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<tr>
<td>Perfect Keyboard</td>
<td>• Setup your Android keyboard so that it works best for you.</td>
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<tr>
<td>Big Launcher</td>
<td>• Simplifies user interface of homescreen and app pages</td>
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Examples of Apps for Dexterity
Accessibility Resources

• AT&T Accessibility (download presentations) – att.com/accessibility
• AT&T Digital You – digitalyou.att.com
• 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 – livewellrerc.org
• FCC Accessibility Clearing House – ach.fcc.gov
• Global Accessibility Reporting Initiative (GARI) – gari.info
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