

# iPhone Accessibility Settings

## Vision

### Change Colors

Accessibility Setting	Description	Additional Information
Change colors	Invert and filter colors or make transparent items solid.	
Dark mode	Give the iPhone screen a dark color scheme perfect for low-light environments.	

### Read Text More Easily

Accessibility Setting	Description	Additional Information
Zoom	Magnify the entire screen (Full-Screen Zoom) or magnify only part of the screen with a resizable lens (Window Zoom).	
Legibility	Make text easier to read by adjusting text weight, size, and darkness in apps that support Dynamic Type, such as Settings, Calendar, Contacts, Mail, Messages, and Notes.	
Magnifier	Use iPhone as a magnifying glass to zoom in on nearby objects.	

## Make Onscreen Items Easier to See

Accessibility Setting	Description	Additional Information
<b>Change colors</b>	Invert and filter colors or make transparent items solid.	
<b>Onscreen motion</b>	Stop or reduce the movement of some screen elements.	Movements include: Parallax effect of wallpaper, apps, and alerts, screen transitions, Siri animations, typing autocompletion, animated full-screen and bubble effects in the Messages app, and animated images on the Web and in apps.
<b>Pointer</b>	Make the pointer easier to see when using a mouse or trackpad with iPhone.	

## Hear What's Onscreen

Accessibility Setting	Description	Additional Information
<b>Audio descriptions</b>	Listen to an audio description—a separate audio track that narrates or describes the visual content of a clip, show, or movie.	
<b>Spoken content</b>	iPhone speaks selected text or the entire screen even if VoiceOver is turned off.	Modes: speak selection, speak screen, speech controller, highlight content, and typing feedback.
<b>VoiceOver</b>	VoiceOver gives audible descriptions of what's on your screen.	When you touch the screen or drag your finger over it, VoiceOver speaks the name of the item your finger is on, including icons and text.
<b>Power on and off sounds</b>	Have iPhone play a sound when it's turned on and off.	

## Use Braille

Accessibility Setting	Description	Additional Information
<b>Braille display</b>	Connect a Bluetooth® wireless braille display to read VoiceOver output, including contracted and uncontracted braille, and equations using Nemeth Code.	You can also use a braille display with input keys to control your iPhone when VoiceOver is turned on.

## Speak To Get Things Done

Accessibility Setting	Description	Additional Information
<b>Dictation</b>	Dictate text anywhere you can type it.	
<b>Siri</b>	Built-in private intelligent assistant that helps you get things done by using your voice.	Use Siri to translate a phrase, set an alarm, find a location, report on the weather, send a message, and more.
<b>Shortcuts</b>	Automate tasks you do often with just a tap or by asking Siri.	Choose ready-made shortcuts from the Gallery or build your own using different apps to run multiple steps in a task.

## Mobility

### Navigate Your iPhone Hands-Free

Accessibility Setting	Description	Additional Information
<b>Voice Control</b>	Speak commands to perform gestures, interact with screen elements, dictate and edit text, and more.	
<b>Siri</b>	Built-in private intelligent assistant that helps you get things done by using your voice.	Use Siri to translate a phrase, set an alarm, find a location, report on the weather, send a message, and more.
<b>Shortcuts</b>	Automate tasks you do often with just a tap or by asking Siri.	Choose ready-made shortcuts from the Gallery or build your own using different apps to run multiple steps in a task.
<b>Call audio routing</b>	Automatically direct the audio of phone or FaceTime calls to the iPhone speaker, a Bluetooth® headset, or your hearing device.	iPhone can also automatically answer calls after a length of time you set.

### Let iPhone Type for You

Accessibility Setting	Description	Additional Information
<b>Dictation</b>	Dictate text anywhere you can type it.	
<b>Predictive text</b>	As you type, suggested words, emoji, and information appear above the onscreen keyboard.	

## Connect Other Inputs

Accessibility Setting	Description	Additional Information
<b>Switch Control</b>	Interact with iPhone by activating a <i>switch</i> , such as pressing an external adaptive button, performing a head movement, or making a voiced or voiceless sound.	External switches connect to iPhone through Bluetooth® or the Lightning or USB-C connector.
<b>Keyboards</b>	Adjust the onscreen and external keyboard settings on iPhone.	
<b>Bluetooth accessories</b>	Use third-party devices such as wireless keyboards, headphones, speakers, car kits, game controllers, and more.	
<b>Head tracking</b>	Move your head to control a cursor on the screen.	You can also assign actions to facial expressions, such as a smile or raised eyebrows.

## Control Other Devices

Accessibility Setting	Description	Additional Information
<b>Apple Watch Mirroring</b>	Apple Watch Mirroring allows you to see and control your Apple Watch screen from your paired iPhone.	You can use touch or assistive features like Voice Control, Switch Control, and more.
<b>Apple TV remote</b>	On the Apple TV Remote on iPhone, you can use buttons instead of swipe gestures.	
<b>Control nearby devices</b>	Remotely control your other Apple devices with your iPhone.	
<b>Platform Switching</b>	Navigate your iPad, Mac, or Apple TV using the same switch that you use to control your iPhone.	

## Customize Gestures

Accessibility Setting	Description	Additional Information
<b>AssistiveTouch</b>	With AssistiveTouch, you can use a simple tap (or the equivalent on your accessory) to perform actions.	Example of actions: Open the AssistiveTouch menu, go to the Home Screen, Double-tap, perform multifinger gestures, perform scroll gestures, and activate Siri. Access Control Center, notifications, the Lock Screen, or the App Switcher. Adjust the volume on iPhone, shake iPhone, or take a screenshot. Use 3D Touch (on <a href="#">supported iPhone models</a> ), Apple Pay, or Emergency SOS. Speak screen, adjust dwell settings, and restart iPhone.
<b>Back tap</b>	Double-tap or triple-tap the back of iPhone to perform actions such as taking a screenshot, turning on an accessibility feature, running a shortcut, and more.	
<b>Reachability</b>	When you use iPhone with one hand in Portrait orientation, you can use Reachability to lower the top half of the screen so it's within easy reach of your thumb.	
<b>Airpods</b>	Adjust the accessibility settings to suit your mobility or hearing needs.	Adjust press speed, press and hold duration, noise cancellation with One AirPod, and spatial audio head tracking.
<b>Pointer scrolling speed</b>	Adjust the pointer scrolling speed.	
<b>Side or Home button</b>	Adjust settings for the side or Home button on iPhone.	Set any of the following: click speed, press and hold to speak, or rest finger to open.
<b>Face ID and attention</b>	Adjust Face ID and attention settings.	If you can't perform the full range of head motion needed to set up Face ID or can't keep your eyes on the screen, you can still set up Face ID.

## Adjust The Sensitivity of Your Input

Accessibility Setting	Description	Additional Information
<b>Slow Keys and Sticky Keys</b>	Change how the keys respond on an external keyboard.	Use Sticky Keys to press and hold modifier keys, such as Command and Option, as you press another key. Use Slow Keys to adjust the time between a key being pressed and activated.
<b>Siri Pause Time</b>	Set how long Siri waits for you to finish speaking.	
<b>Touch accommodations</b>	Adjust how the iPhone touchscreen responds to tap, swipe, and touch-and-hold gestures.	Have iPhone recognize faster or slower touches and ignore multiple touches. You can also prevent iPhone from waking when you touch the screen or turn off Shake to Undo if you unintentionally shake iPhone.

## Turn Off Vibration

Accessibility Setting	Description	Additional Information
<b>Vibration</b>	Turn vibration off for specific uses or all alerts.	



## Hearing

### Turn Sound into Text

Accessibility Setting	Description	Additional Information
<b>Sound recognition</b>	iPhone can continuously listen for specific sounds—such as a doorbell, siren, or crying baby—and notify you when it recognizes these sounds.	
<b>Live Captions (beta)</b>	Spoken dialogue is turned into text and displayed in real time on your iPhone screen.	
<b>RTT and TTY</b>	Communicate by telephone using Teletype (TTY) or real-time text (RTT)—protocols that transmit text as you type and allow the recipient to read the message right away.	iPhone provides built-in Software RTT and TTY from the Phone app—it requires no additional devices. iPhone also supports Hardware TTY, so you can connect iPhone to an external TTY device with the iPhone TTY Adapter
<b>Subtitles and captions</b>	iPhone can provide subtitles, closed captions, and transcriptions so you can follow along more easily with audio and video.	
<b>HomePod intercom transcriptions</b>	If members of your home use HomePod for Intercom messages, iPhone can transcribe Intercom messages for you.	
<b>Audio message transcriptions</b>	Use the Messages app to record and send audio messages, along with transcripts of what's said in the message.	

## Hear Better in Different Situations

Accessibility Setting	Description	Additional Information
<b>MFi hearing devices</b>	Use MFi hearing aids or sound processors with iPhone and adjust their settings.	You can stream audio from Phone, Siri, Apple Music, Apple Podcasts, Apple TV, and more.
<b>AirPods</b>	Adjust the accessibility settings to suit your mobility or hearing needs.	Adjust press speed, press and hold duration, noise cancellation with One AirPod, and spatial audio head tracking.
<b>Live Listen</b>	Stream sound from the microphone on iPhone to your MFi hearing devices or AirPods.	
<b>Audio settings, including Phone Noise Cancellation and Conversation Boost</b>	Adjust mono audio, left-right stereo balance, and phone noise cancellation to suit your hearing needs.	
<b>Background sounds</b>	Play background sounds on the iPhone to mask environmental noise and help minimize distractions so you can focus or rest.	

## Notice your Alerts

Accessibility Setting	Description	Additional Information
<b>LED flash for alerts</b>	iPhone can flash its LED to announce incoming calls and other alerts.	The LED flashes only if iPhone is locked.
<b>Vibration</b>	Turn vibration off for specific uses or all alerts.	
<b>Siri notifications announcements</b>	Siri announces notifications and calls from apps like Messages on your iPhone speaker, supported headphones when using CarPlay, and on MFi hearing devices.	

## Speech

### Type Words You Want Spoken

Accessibility Setting	Description	Additional Information
<b>Live Speech</b>	Type and have your words spoken in person, on Phone and FaceTime calls, and in assistive communication apps using any of dozens of voices, including your Personal Voice.	

### Record Your Voice

Accessibility Setting	Description	Additional Information
<b>Personal Voice</b>	Create a personalized voice on iPhone to use with Live Speech.	Create a voice that sounds like your own to use to type to speak in FaceTime, Phone, and assistive communication apps.

### Make Siri Request in Text

Accessibility Setting	Description	Additional Information
<b>Type to Siri</b>	To make a request, activate Siri, then interact with Siri using the keyboard and text field.	

### Use Sound Actions for Switch Control

Accessibility Setting	Description	Additional Information
<b>Switch Control</b>	Interact with iPhone by activating a <i>switch</i> , such as pressing an external adaptive button, performing a head movement, or making a voiced or voiceless sound.	External switches connect to iPhone through Bluetooth® or the Lightning or USB-C connector.

### Allow More Time for Siri Requests

Accessibility Setting	Description	Additional Information
<b>Siri Pause Time</b>	Set how long Siri waits for you to finish speaking.	

## Cognitive

### Reduce Distraction and Sensory Stimulus

Accessibility Setting	Description	Additional Information
<b>Background sounds</b>	Play background sounds on iPhone to mask environmental noise and help minimize distractions so you can focus or rest.	
<b>Onscreen motion</b>	Stop or reduce the movement of some screen elements.	Movements include: Parallax effect of wallpaper, apps, and alerts, screen transitions, Siri animations, typing autocompletion, animated full-screen and bubble effects in the Messages app, and animated images on the Web and in apps.
<b>Focus</b>	Use Focus to temporarily silence all notifications, or allow only specific notifications to concentrate on a specific activity,	Customize one of the provided Focus options—for example Work, Personal, or Sleep—or create a custom Focus.
<b>Guided Access</b>	Stay focused on a task by temporarily restricting iPhone to a single app, and allowing you to control which app features are available.	Disable areas of the screen that aren't relevant to a task or areas where an accidental gesture might cause a distraction. For example, disable the iPhone hardware buttons or limit how long you can use the app.
<b>Hide ads and distractions in Safari</b>	In the Safari app, use Reader to hide ads, navigation menus, or other distracting items and show the relevant text and images.	

## Get Help with Everyday Tasks

Accessibility Setting	Description	Additional Information
<b>Siri</b>	Built-in private intelligent assistant that helps you get things done by using your voice.	Use Siri to translate a phrase, set an alarm, find a location, report on the weather, send a message, and more.
<b>Shortcuts</b>	Automate tasks you do often with just a tap or by asking Siri.	Choose ready-made shortcuts from the Gallery or build your own using different apps to run multiple steps in a task.

## Pair Audio and Text

Accessibility Setting	Description	Additional Information
<b>Live Captions (beta)</b>	Spoken dialogue is turned into text and displayed in real time on your iPhone screen.	
<b>Spoken content</b>	iPhone speaks selected text or the entire screen even if VoiceOver is turned off.	Modes: speak selection, speak screen, speech controller, highlight content, and typing feedback.
<b>Audio message transcripts</b>	Use the Messages app to record and send audio messages, along with transcripts of what's said in the message.	

## Let iPhone Type for You

Accessibility Setting	Description	Additional Information
<b>Dictation</b>	Dictate text anywhere you can type it.	
<b>Predictive text</b>	As you type, suggested words, emoji, and information appear above the onscreen keyboard	

## Keep an Eye on Your Screen Use

Accessibility Setting	Description	Additional Information
<b>Screen Time</b>	Get information about how you and your family members spend time on your devices	This includes which apps and websites you use and how often you pick up your device.
<b>App Limits</b>	Set a time limit for a category of apps (for example, Games or Social Networking) and for individual apps.	You can block apps and notifications for periods when you want time away from your devices.

## Locate People and Things

Accessibility Setting	Description	Additional Information
<b>Find a friend</b>	When a friend shares their location with you, you can use the Find My app to locate them on a map.	If you want to see how far away your friends are from you, make sure you turn on Precise Location for the Find My app.
<b>Check in</b>	You can use Check In on iPhone to automatically notify a friend that your iPhone has arrived at a specific location.	If a friend sends you a Check In but their iPhone hasn't arrived as expected, you can view their location, battery percentage, cellular signal, and more.
<b>Precision Finding to meet a friend</b>	Get directions to an individual's exact location.	Both you and the individual you're looking for must have an iPhone 15.
<b>Find a device</b>	Locate and play a sound on a missing iPhone, iPad, iPod touch, Mac, Apple Watch, AirPods, or Beats headphones.	
<b>Separation alerts</b>	Turn on separation alerts for a iPhone, iPad, Mac, or AirPods so you don't accidentally leave it behind.	You can also set Trusted Locations, which are locations where you can leave your device without receiving an alert.

## Simplify Sign-ins

Accessibility Setting	Description	Additional Information
<b>Keychain</b>	Use iCloud Keychain to keep your website and app passkeys and passwords, credit card information, Wi-Fi network information, and other account information up to date across all your approved devices and Mac computers.	
<b>Face ID</b>	Use Face ID to securely and conveniently unlock iPhone, authorize purchases and payments, and sign into many third-party apps by simply glancing at your iPhone.	Available on all models except for iPhone SE generations.
<b>Touch ID</b>	Use Touch ID to securely and conveniently unlock iPhone, authorize purchases and payments, and sign in to many third-party apps.	Available only on iPhone SE generations.

## Identify People and Things

Accessibility Setting	Description	Additional Information
<b>Facial recognition</b>	The Photos app recognizes people, dogs, and cats in your photos and sorts them in the People & Pets album.	When you add names to the people and pets identified in the album, you can then search Photos to find them by name.
<b>People detection</b>	Use the Magnifier app to detect people around you and help you maintain a physical or social distance from others.	When iPhone detects people nearby, you're notified with sounds, speech, or haptic feedback. The feedback becomes more frequent when a person is closer to you.
<b>Image descriptions</b>	Use the Magnifier app to scan your surroundings and receive live image descriptions of the scenes and people detected in the camera view.	You're notified of live descriptions by text or speech feedback.
<b>Text detection</b>	Use the Magnifier app to identify and read out loud all the text that's visible in the field of view of your iPhone camera.	
<b>Point and Speak</b>	Use the Magnifier app to point to any interactive labels in your environment to have your iPhone speak their text out loud.	Use this for objects with text labels such as digital screens, like grocery self-checkouts, Keypads, Folders in a file cabinet, Household appliances, and ATMs.
<b>Door detection</b>	Use the Magnifier app to detect doors, understand how far you are from a door, how to open the door, and get a description of the door's attributes.	When doors are detected nearby, you're notified with sounds, speech, or haptic feedback. The feedback becomes more frequent as you get closer to a door.



## References:

Apple Inc. (n.d.). *Get started with accessibility features on iPhone*. iPhone User Guide. <https://support.apple.com/guide/iphone/get-started-with-accessibility-features-iph3e2e4367/ios>.

Apple Inc. (n.d.). *Set up cognitive-related accessibility features on iPhone*. iPhone User Guide. <https://support.apple.com/guide/iphone/overview-iph0ede5b8d6/17.0/ios/17.0>.

Apple Inc. (n.d.). *Set up hearing-related accessibility features on iPhone*. iPhone User Guide. <https://support.apple.com/guide/iphone/overview-iphb210be03a/17.0/ios/17.0>.

Apple Inc. (n.d.). *Set up mobility-related accessibility features on iPhone*. iPhone User Guide. <https://support.apple.com/guide/iphone/overview-iph76d37ce7d/17.0/ios/17.0>.

Apple Inc. (n.d.). *Set up speech-related accessibility features on iPhone*. iPhone User Guide. <https://support.apple.com/guide/iphone/overview-iph8b6c223ac/17.0/ios/17.0>.

Apple Inc. (n.d.). *Set up vision-related accessibility features on iPhone*. iPhone User Guide. <https://support.apple.com/guide/iphone/overview-iph732dc028d/17.0/ios/17.0>.