


Your iPhone can continuously listen for certain sounds—such as a doorbell, siren, or crying baby—and notify you when it recognizes these sounds.

Note: Don't rely on your iPhone to recognize sounds in circumstances where you may be harmed or injured, in high-risk or emergency situations, or for navigation.


Set up Sound Recognition

1. Go to Settings  [ALT N/A] > Accessibility > Sound Recognition, then turn on Sound Recognition.
2. Tap Sounds, then turn on the sounds you want iPhone to recognize.

Tip: To quickly turn Sound Recognition on or off, add it to [Control Center](#).

Add a custom alarm, appliance, or doorbell

You can also set up iPhone to recognize a custom alarm, appliance, or doorbell if they aren't recognized automatically.

1. Go to Settings  [ALT N/A] > Accessibility > Sound Recognition > Sounds.
2. Tap Custom Alarm or Custom Appliance or Doorbell, then enter a name.
3. When your alarm, appliance, or doorbell is ready, place iPhone near the sound and minimize background noise.
4. Tap Start Listening, then follow the onscreen instructions.

Related

[Get notified about car horns and sirens in CarPlay](#)

[Use iPhone as a remote microphone with Live Listen](#)

[Accessibility features for hearing on iPhone](#)

NAV TITLE: [Set up and use RTT and TTY](#)

Set up and use RTT and TTY on iPhone

Metadata

Summary: On iPhone, communicate by telephone using Teletype (TTY) or real-time text (RTT) if you have hearing or speech difficulties. Use Software TTY on iPhone or connect iPhone to an external TTY device.

If you have hearing or speech difficulties, you can 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. RTT is a more advanced protocol that transmits audio as you type text.

iPhone provides built-in Software RTT and TTY from the Phone app—it requires no additional devices. If you turn on Software RTT/TTY, iPhone defaults to the RTT protocol whenever it's supported by the carrier.

iPhone also supports Hardware TTY, so you can connect iPhone to an external TTY device with the iPhone TTY Adapter (sold separately in many regions).


Important: RTT and TTY aren't supported by all carriers or in all countries or regions. RTT and TTY functionality depends on your carrier and network environment. When making an emergency call in the U.S., iPhone sends special characters or tones to alert the operator. The operator's ability to receive or respond to these tones can vary depending on your location. Apple doesn't guarantee that the operator will be able to receive or respond to an RTT or TTY call.

Set up RTT and TTY

1. Go to Settings  [ALT N/A] > Accessibility > RTT/TTY.

Note: Depending on your carrier, you might see RTT, TTY, or RTT/TTY.



2. Turn on Software RTT, then do any of the following:
 - If your iPhone has Dual SIM, choose a line.
 - Tap Relay Number, then enter the phone number to use for relay calls using Software RTT.
 - Turn on Send Immediately to send each character as you type. Turn it off to complete messages before sending.
 - Turn on Answer All Calls as RTT/TTY.
3. If you want to answer and make TTY calls from an external TTY device instead of from your iPhone, turn on Hardware TTY.

When RTT or TTY is turned on,  [Alt text: the TTY icon] appears in the status bar at the top of the screen.

Connect iPhone to an external TTY device

If you turned on Hardware TTY in Settings > Accessibility > RTT/TTY, connect your iPhone to your TTY device using the iPhone TTY Adapter. If Software TTY is also turned on, incoming calls default to Hardware TTY. For information about using a particular TTY device, see the documentation that came with it.



Start an RTT or TTY call


1. Go to the Phone app  [ALT N/A] on your iPhone.
2. Tap Contacts, then choose a contact.
3. Tap Call, then choose RTT/TTY Call or RTT/TTY Relay Call.
4. Wait for the call to connect, then tap  [Alt text: the RTT button] .

iPhone defaults to the RTT protocol whenever it's supported by the carrier.

If you haven't turned RTT on and you receive an incoming RTT call, tap the RTT button to answer the call with RTT.

Type text during an RTT or TTY call




1. When you accept or [start an RTT or TTY call](#), tap  [ALT N/A] Use RTT, then tap  [Alt text: the RTT button] .
2. Enter your message in the text field.

If you turned on Send Immediately in Settings, your recipient sees each character as you type. Otherwise, tap  [Alt text: the Send button] to send the message.

3. To also transmit audio, tap  [Alt text: the Microphone Off Muted button] in the top-right corner.

Review the transcript of a Software RTT or TTY call

Your iPhone can capture voice messages and provide auto-answer transcriptions for incoming calls.

1. Go to the Phone app  [ALT N/A] on your iPhone.
2. Tap Recents, then tap  [Alt text: the More Info button] next to a caller.
3. RTT and TTY calls with transcripts are marked with a  [Alt text: the RTT/TTY icon] in your call history. Tap the call to see its transcript.

Note: Continuity features aren't available for RTT and TTY support. Standard voice call rates apply for both Software RTT/TTY and Hardware TTY calls.

Related

[Get live captions of spoken audio on iPhone](#)

[Type to speak using Live Speech on iPhone](#)

[Accessibility features for hearing on iPhone](#)

[Apple Support article: Answer or make RTT or TTY calls from your iPhone](#)


Flash the iPhone indicator light for notifications

Metadata

Summary: On iPhone, set the LED to flash for incoming calls and other alerts.

You can set the iPhone indicator light to blink when you receive a notification. This can be useful if you can't hear the sounds that announce incoming calls or other alerts, or if you might miss audible alerts in a noisy environment.

The indicator light is the light-emitting diode (LED) located on the back of iPhone, next to the camera lens.

1. Go to Settings  [ALT N/A] > Accessibility > Audio & Visual, then turn on LED Flash for Alerts.
2. Turn any of the following on or off:
 - *Flash While Unlocked:* The indicator light flashes even when iPhone is unlocked.
 - *Flash in Silent Mode:* The indicator light flashes even when iPhone is in [Silent mode](#).

Related

[Change iPhone sounds and vibrations](#)

[Accessibility features for hearing on iPhone](#)

NAV TITLE: [Adjust audio settings](#)


Adjust audio settings on iPhone

Metadata

Summary: On iPhone, use mono audio, and adjust left-right stereo balance and other audio settings to suit your hearing needs.

You can use mono audio, adjust left-right stereo balance, and—with supported headphones—amplify soft sounds and adjust certain frequencies to best suit your hearing needs.


Balance the audio

1. Go to Settings  [ALT N/A] > Accessibility > Audio & Visual.
2. Adjust any of the following:

- *Mono Audio*: Turn on Mono Audio to make the left and right speakers play the same content.
- *Stereo Audio Balance*: Drag the Balance slider left or right.


Use phone noise cancellation

Phone noise cancellation uses air pressure to reduce ambient background noise. This means that you hear better when you're holding the receiver to your ear in certain noisy environments. Phone noise cancellation is available and on by default on iPhone 12 and earlier, and can be turned off for your comfort.




1. Go to Settings  [ALT N/A] > Accessibility > Audio & Visual.
2. Turn Phone Noise Cancellation off or on.

Adjust certain frequencies and soft sounds

With Headphone Accommodations for [supported Apple and Beats headphones](#), you can adjust certain sounds to best suit your hearing. Make soft sounds louder and boost some frequencies so phone calls and media sound crisper and clearer.

1. Make sure you're in a quiet environment and that you've [paired your AirPods](#) or [paired other supported Bluetooth® headphones](#).
2. Go to Settings  [ALT N/A] > Accessibility > Audio & Visual > Headphone Accommodations, then turn on Headphone Accommodations.
3. Adjust any of the following:
 - *Frequencies*: Below Tune Audio For, choose an option to boost different frequencies.
 - *Soft sounds*: Drag the slider to set an amplification level for soft sounds.
4. Scroll down, then do any of the following:
 - Turn on Phone to apply the settings to phone calls.
 - Turn on Media to apply the settings to media playback like music, movies, and podcasts.





With some supported headphones, you can use Headphone Accommodations to personalize your headphone audio based on what sounds good to you. Tap Custom Audio Setup, then follow the onscreen instructions.

Tip: Quickly access Headphone Accommodations by tapping  [Alt text: the Headphone Accommodations button] in [Control Center](#). (If you don't see  [Alt text: the Headphone Accommodations button], add it—tap  [Alt text: the Add button], tap Add a Control, scroll down to Hearing Accessibility, then tap Headphone Accommodations.)

For information about applying Headphone Accommodations settings to Transparency Mode and Conversation Boost when using AirPods Pro and iPhone, see [Customize Transparency mode for AirPods Pro](#) in the AirPods User Guide.

Make dialogue sound clearer in videos

When you watch supported video content, you can turn on voice isolation so the dialogue is easier to hear. During dialogue, voices are isolated and all other audio is substantially reduced.

1. Go to Settings  [ALT N/A] > Accessibility > Audio & Visual.
2. Turn on Add Voice Isolation.
3. While watching a supported video in the Apple TV app  [ALT N/A], do one of the following:
 - Tap  [Alt text: the Audio Track button] .
 - Tap  [Alt text: the More Controls button] , then tap Audio.
4. Tap Enhance Dialogue, then tap Isolate.

Related

- [Check your headphone audio levels on iPhone](#)
- [Play music on iPhone as taps, textures, and more](#)
- [Adjust the sound in Music on iPhone](#)
- [Accessibility features for hearing on iPhone](#)


NAV TITLE: [Play background sounds](#)

Play background sounds on iPhone

Metadata

Summary: On iPhone, play ambient background sounds like ocean waves or rain to help you focus or rest.

You can have iPhone play ambient background sounds—such as ocean waves or rain—to help you focus or rest.

1. Go to Settings  [ALT N/A] > Accessibility > Audio & Visual > Background Sounds, then turn on Background Sounds.
Tip: Control Background Sounds with the click of a button or from Control Center. See [Quickly turn accessibility features on or off](#).
2. Set any of the following:

- *Sound*: Choose a sound; the audio file downloads to your iPhone.
- *Volume*: Drag the slider.
- *Use When Media is Playing*: Adjust the volume of the background sound when iPhone is playing music or other media.
- *Stop Sounds When Locked*: Background sounds stop playing when iPhone is locked.

Related

[Play music on iPhone](#)

[Set up a Focus on iPhone](#)

[Accessibility features for hearing on iPhone](#)

[Apple Support article: Play rain sounds and other ambient noise with Background Sounds](#)

NAV TITLE: [Display subtitles and captions](#)

Display subtitles and captions on iPhone


Metadata

Summary: On iPhone, see subtitles, closed captions, and transcriptions to follow along more easily with audio and video.

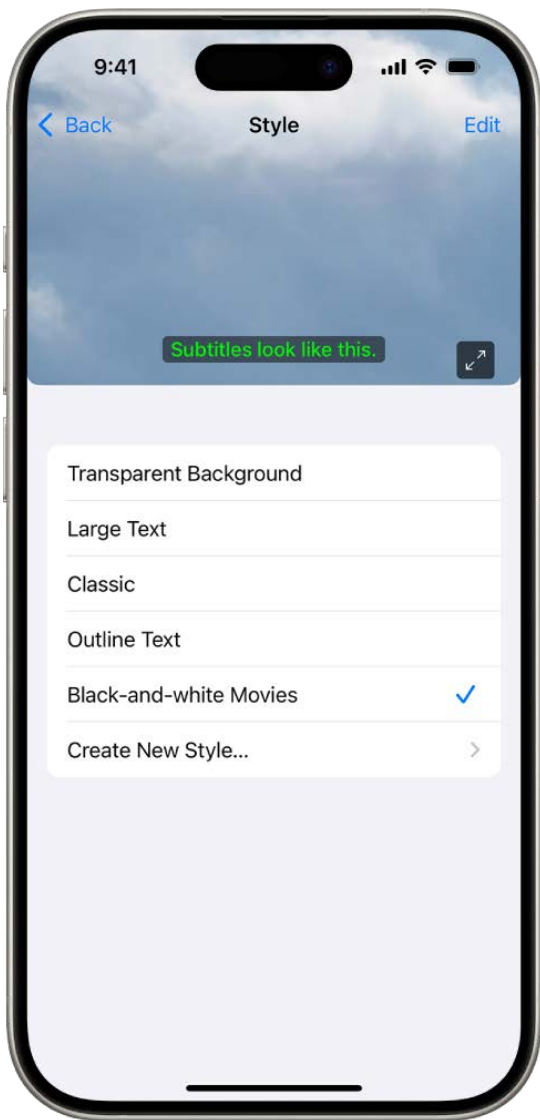
iPhone can provide subtitles, closed captions, and transcriptions so you can follow along more easily with audio and video.

Turn on subtitles and captions in the Apple TV app


When you play video content in a supported app, you can turn on subtitles and closed captions (if available). iPhone usually shows standard subtitles and captions, but you can also choose special accessible captions—such as subtitles for the deaf and hard of hearing (SDH)—if available.

1. While playing video content, tap  [Alt text: the Media Selection button] .
2. Choose from the list of available subtitles and captions.

Customize the subtitles and captions in supported video apps



[Alt text: An iPhone showing an example of subtitles with a custom style.]

1. Go to Settings  [ALT N/A] > Accessibility > Subtitles & Captioning.
2. If you prefer closed captioning or subtitles for the deaf and hard of hearing when available, turn on Closed Captions + SDH.
3. Tap Style, then choose an existing caption style or create a new style based on the following:
 - Font, size, and color
 - Background color and opacity
 - Text opacity, edge style, and highlight

Related




[Get live captions of spoken audio on iPhone](#)
[Accessibility features for hearing on iPhone](#)

Show transcriptions for Intercom messages from HomePod on iPhone

Metadata

Summary: On iPhone, get transcriptions for Intercom messages.

If members of your home [use HomePod for Intercom messages](#), iPhone can transcribe the messages for you.

1. Go to Settings  [ALT N/A] > Accessibility > Subtitles & Captioning, then turn on Show Audio Transcriptions.
2. In the Home app  [ALT N/A], tap  [Alt text: the More button], then tap Home Settings.
3. Tap Intercom, then choose when you receive notifications.

See [Use HomePod as an Intercom](#) in the HomePod User Guide.

Related

[Get live captions of spoken audio on iPhone](#)

[Display subtitles and captions on iPhone](#)

[Accessibility features for hearing on iPhone](#)

Get live captions of spoken audio on iPhone


Metadata

Summary: On iPhone, see live captions to more easily follow the audio in any app, such as FaceTime or Podcasts, and in live conversations around you.

With Live Captions on iPhone, you can get a real-time transcription of spoken audio. Use Live Captions to more easily follow the audio in any app, such as FaceTime or Podcasts, as well as live conversations around you.




Note: Live Captions is available on iPhone 11 and later when the [primary language is set](#) to English (U.S.) or English (Canada). The accuracy of Live Captions may vary and shouldn't be relied upon in high-risk or emergency situations.

Set up and customize Live Captions

1. Go to Settings  [ALT N/A] > Accessibility > Live Captions, then turn on Live Captions.
2. Tap Appearance to customize the text, size, and color of the captions.
3. By default, Live Captions are shown across all apps. To get live captions only for certain apps such as FaceTime or RTT, turn them on below In-App Live Captions.

Use Live Captions

With Live Captions turned on, iPhone automatically transcribes the spoken audio in apps—or from dialogue around you. You can do any of the following:

- *Transcribe an in-person conversation:* Tap Live Captions, then tap Microphone.
- *Transcribe iPhone audio:* Tap Live Captions, then tap iPhone Audio.
- *Pause the transcription:* Tap Live Captions, then tap Pause Listening.
- *Move the Live Captions window:* Drag the Live Captions window to reposition it on the screen.
- *Hide the Live Captions window:* The Live Captions window is automatically hidden when no audio is detected. If the window is showing, swipe left or right on the window to hide it. To restore the window, tap  [Alt text: the Live Captions Collapsed button] .
- *Make the transcription window full-screen:* Tap  [Alt text: the Maximize button] . To restore the window to the smaller size, tap  [Alt text: the Minimize button] .

Related

[Display subtitles and captions on iPhone](#)

[Show transcriptions for Intercom messages from HomePod on iPhone](#)

[Accessibility features for hearing on iPhone](#)

NAV TITLE: [Play music as taps, textures, and more](#)

Play music on iPhone as taps, textures, and more


Metadata



Summary: On iPhone, you can turn on Music Haptics to play music with taps, textures, and refined vibrations that are synchronized with a song's audio.

With Music Haptics, you can experience music on iPhone with taps, textures, and refined vibrations that are synchronized with a song's audio.

Note: Music Haptics is available with [supported iPhone models](#) for millions of songs in [Apple](#)

[Music](#), [Music Classical](#), [Shazam](#), and compatible third-party apps when your iPhone is connected to Wi-Fi or cellular.

1. Go to Settings  [ALT N/A] > Accessibility > Music Haptics.
2. Turn Music Haptics on.

To start or stop Music Haptics as a song plays, [open Control Center](#), tap the audio card, then tap  [Alt text: the Music Haptics icon] . If you see  [Alt text: the Music Haptics unavailable icon] , Music Haptics is not available for the song.

Tip: You can also control Music Haptics with the click of a button or other shortcut. See [Quickly turn accessibility features on or off](#).

Related

[Accessibility features for hearing on iPhone](#)

NAV TITLE: [Get notified about car horns and sirens in CarPlay](#)


Get notified about car horns and sirens in CarPlay

Metadata

Summary: With Sound Recognition in CarPlay, you can have iPhone continuously listen for and recognize car horns or sirens.

With Sound Recognition in CarPlay, you can have iPhone continuously listen for car horns and sirens, and recognize them using on-device intelligence. A notification appears on the CarPlay touchscreen when these sounds are detected.

Note: Sound Recognition in CarPlay is available with [supported iPhone models](#). Don't rely on Sound Recognition in circumstances where you may be harmed or injured, in high-risk or emergency situations, or for navigation. CarPlay is not available in all countries or regions. See the [iOS and iPadOS Feature Availability](#) webpage.

1. In CarPlay, go to Settings  [ALT N/A] > Accessibility.
2. Tap Sound Recognition, then turn on Sound Recognition.
3. Turn on the sounds you want to be notified about.

Related

[Intro to CarPlay and iPhone](#)

[Change settings in CarPlay](#)

[Recognize sounds using iPhone](#)

Speech


NAV TITLE: [Overview of accessibility features for speech](#)

Accessibility features for speech on iPhone

Metadata

Summary: Discover accessibility features for speech on iPhone—have what you type spoken out loud, create a synthesized voice that sounds like you, and more.

iPhone comes with built-in tools for communicating in the way that works best for you, whether you're nonspeaking, at risk of speech loss, or someone with a speech disability. You can have what you type spoken out loud, create a synthesized voice that sounds like you, and more.

To explore accessibility features for speech, go to Settings  [ALT N/A] > Accessibility, then scroll down to the Speech section.

Type to speak

(table aria-label=Type to speak)



[ALT N/A]

Live Speech

If you're unable to speak or you have a speech disability, type what you want to say and have iPhone speak it.

[Type to speak using Live Speech](#)



[ALT N/A]

Personal Voice

If you're at risk of losing your ability to speak, create a synthesized voice that sounds like you.

[Record your Personal Voice](#)



[ALT N/A]

Type to Siri

Type your Siri requests instead of speaking them.

[Type instead of speaking to Siri](#)

Control iPhone with your voice

(table aria-label=Control iPhone with your voice)



[ALT N/A]

Use voice commands

Speak commands to navigate and interact with what's on the screen, dictate and edit text, and more.

[Use Voice Control commands to interact with iPhone](#)



[ALT N/A]

Use simple sounds

You can use voiced or voiceless sounds—like an S-sound or a mouth pop—to navigate and interact with what's on the screen.

[Use sound actions with Switch Control](#)



[ALT N/A]

Vocal Shortcuts

Have iPhone perform an action when you speak a word or another sound of your choosing.

[Use Vocal Shortcuts](#)



[ALT N/A]

Have Siri listen for atypical speech

If you have an acquired or progressive condition that affects speech, have Siri recognize a wider range of atypical speech patterns.

[Change Siri accessibility settings on iPhone](#)

You can also [have Siri wait longer for you to finish speaking](#), or use [Dictation](#) to enter text using just your voice.

Tip: Control your go-to accessibility features and settings with the click of a button or from Control Center. See [Quickly open features with Accessibility Shortcut](#).

Related

[Get started with accessibility features on iPhone](#)

[Apple Accessibility Support website](#)

[Apple Accessibility webpage for Speech](#)

NAV TITLE: [Type to speak](#)

Type to speak using Live Speech on iPhone

Metadata

Summary: Type to speak on iPhone using any of dozens of voices.

If you're unable to speak or have lost your speech over time, you can use Live Speech on iPhone to have what you type spoken out loud during in-person conversations and in apps like FaceTime. You can choose from dozens of system voices or use [a personal voice you create](#).

Note: Live Speech is not available in all languages. See the [iOS and iPadOS Feature Availability](#) webpage.

Turn on Live Speech

1. Go to Settings  [ALT N/A] > Accessibility > Live Speech, then turn on Live Speech.

2. Choose a voice. You can use Live Speech with any voice you choose, including your Personal Voice.
3. Triple-click the side button or Home button (depending on your iPhone model), then tap Live Speech (if the Accessibility Shortcut is set up with more than one feature).

Have what you type spoken out loud

1. After you [turn on Live Speech](#), type what you want to have spoken in the Live Speech window.

You can also paste copied text into the window, or tap suggested words that appear above the keyboard as you type.

2. Tap Speak to have your text spoken out loud.

If you're on a FaceTime call, Live Speech is output on the other end of the call. Otherwise, the speaker on your iPhone outputs Live Speech.



Have saved phrases spoken out loud

With Live Speech, you can select from a list of phrases you use often.

1. After you [turn on Live Speech](#), tap Keyboard at the top of the Live Speech window.
2. Tap a category, like Recent or Saved, then tap a phrase to have it spoken out loud.
3. To hide your saved phrases and return to entering text with the keyboard, tap Phrases at the top of the Live Speech window.



Add or remove saved phrases

Add or remove phrases from the list of saved phrases that you use often.

1. Go to Settings  [ALT N/A] > Accessibility > Live Speech, then tap Phrases.
2. Tap Saved or another category you've created, then do any of the following:
 - *Add a saved phrase:* Tap  [Alt text: the Add Phrase button], enter your phrase in the text field, then tap Save.
 - *Remove a saved phrase:* Tap a phrase, then tap Delete Phrase.


Create categories for saved phrases

Organize your saved phrases into categories, such as for different activities—like work, school, or gaming.

1. Go to Settings  [ALT N/A] > Accessibility > Live Speech, then tap Phrases.
2. Tap  [Alt text: the Add Category button], enter a name for the category, choose an icon, then tap Done.

Allow audio from other apps in calls

You can allow the audio from apps to be audible in voice and video calls, which can be helpful if you use apps that assist with speaking and communication.

1. Go to Settings  [ALT N/A] > Accessibility > Audio & Visual, then tap Add Audio in Calls.
2. Turn on Allow Apps to Add Audio in Calls.

When this option is on, both audio and microphone input are included in calls. To silence all audio during a call, mute the microphone.

Related

[Type instead of speak to Siri](#)

[Hear iPhone speak the screen, selected text, and typing feedback](#)

[Accessibility features for speech on iPhone](#)


NAV TITLE: [Record your personal voice](#)

Record your personal voice on iPhone

Metadata

Summary: Record your voice on iPhone if you're at risk of speech loss or someone with a speech disability.

If you're at risk of speech loss or someone with a speech disability, you can use Personal Voice on iPhone to create a synthesized voice that sounds like you. You can use your personal voice with Live Speech and [have what you type spoken out loud](#) during in-person conversations, in Phone and FaceTime calls, and in assistive communication apps.

1. Go to Settings  [ALT N/A] > Accessibility > Personal Voice.
2. Tap Create a Personal Voice, then follow the onscreen instructions.

(If you need to pause your recording session, tap Done. To resume, tap the name of your personal voice, then tap Continue Recording.)

Note: To see the option to create your personal voice, you must first [set a passcode](#). Personal Voice is available on supported iPhone models and is not available in all languages. See the Apple Support article [Create a Personal Voice on your iPhone, iPad, or Mac](#).

Your personal voice is saved securely on your iPhone for you to use during Phone and FaceTime calls, in-person conversations, and third-party alternative and augmentative communication (AAC) apps.

Important: Personal Voice can be used only with Live Speech and with third-party apps that you allow, such as Augmentative and Alternative Communication (AAC) apps. You can use Personal Voice only to create a voice that sounds like you on device, using your own voice, and for your own personal, noncommercial use. Your [Legacy Contact](#) won't be able to access your Personal Voice.

Related

[Type instead of speak to Siri](#)

[Hear iPhone speak the screen, selected text, and typing feedback](#)

[Accessibility features for speech on iPhone](#)

NAV TITLE: [Use Vocal Shortcuts](#)


Use Vocal Shortcuts on iPhone

Metadata

Summary: Use Vocal Shortcuts to have iPhone perform an action when you speak a word or another sound of your choosing.

With Vocal Shortcuts, you can teach iPhone to perform an action when you speak a word or another sound of your choosing. Vocal Shortcuts can be useful if you have moderate to severe atypical speech but can reliably vocalize certain utterances. Audio is processed on device.

Set up Vocal Shortcuts

1. Go to Settings  [ALT N/A] > Accessibility > Vocal Shortcuts.
2. Tap Set Up, then tap Continue.
3. Choose an action for iPhone to perform when you say the shortcut. If you want the action to be a request to Siri, tap Siri Request, then enter the request.
4. Enter the phrase you'll say when you want iPhone to perform the action, then follow the onscreen instructions to repeat the phrase out loud so that iPhone can recognize it.

After you set up Vocal Shortcuts,  [Alt text: the Microphone In Use icon] is shown in the status bar to indicate that Vocal Shortcuts is using the iPhone microphone to listen for shortcuts. When you don't want Vocal Shortcuts to use the microphone, go to Settings > Accessibility > Vocal Shortcuts, then turn off Vocal Shortcuts.

Add a Vocal Shortcut



1. Go to Settings  [ALT N/A] > Accessibility > Vocal Shortcuts.

2. Tap Add Action, then tap Continue.
3. Choose an action for iPhone to perform when you say the shortcut. If you want the action to be a request to Siri, tap Siri Request, then enter the request.
4. Enter the phrase you'll say when you want iPhone to perform the action, then follow the onscreen instructions to repeat the phrase out loud so that iPhone can recognize it.

Use a Vocal Shortcut

After you've [set up Vocal Shortcuts](#), just say the phrase for one the [shortcuts you've created](#).

Delete a Vocal Shortcut

1. Go to Settings  [ALT N/A] > Accessibility > Vocal Shortcuts.
2. Tap Edit, tap  [Alt text: the Remove button] next to the shortcut you want to delete, then tap Delete.

Tip: If you have an acquired or progressive condition that affects speech, you can have Siri listen for and recognize a wider range of atypical speech patterns. See [Change Siri accessibility settings](#).

Related

[Use Siri on iPhone](#)

[Use Voice Control commands to interact with iPhone](#)

[Use Shortcuts to automate tasks on iPhone](#)

[Accessibility features for speech on iPhone](#)

Cognitive


NAV TITLE: [Overview of cognitive accessibility features](#)

Cognitive accessibility features on iPhone

Metadata

Summary: Discover cognitive accessibility features for speech on iPhone—temporarily lock it to one app, turn on features to streamline tasks and stay focused, and more.

iPhone comes with built-in options to suit your cognitive needs—or those of someone you care for.

To explore accessibility features on iPhone, go to Settings  [ALT N/A] > Accessibility.

Adapt iPhone for someone you care for

(table aria-label=Adapt iPhone for someone you care for)



[ALT N/A]

Keep iPhone simple

If someone you care for has a cognitive disability, set up an iPhone with a simplified interface. Choose and customize core features that work best for them.

[Assistive Access User Guide](#)



[ALT N/A]

Lock iPhone to one app

When you let a child use your iPhone, limit their access to a single app.

[Lock iPhone to one app with Guided Access](#)

You can also reduce sensory stimulus from the screen—for example, automatically dim the display of content that depicts flashing or strobing lights, and pause the display of rapid animated images such as GIFs. See [Stop or reduce onscreen motion](#).

iPhone offers many additional tools to help you focus, make it easier to enter text, or follow along with what you're reading or listening to with features like [Focus](#), [Dictation](#), [Spoken Content](#), and [Live Captions](#).

For more resources, visit the [Apple Cognitive Accessibility webpage](#).

Tip: Control your go-to accessibility features and settings with the click of a button or from Control Center. See [Quickly open features with Accessibility Shortcut](#).

Related

[Get started with accessibility features on iPhone](#)

[Apple Accessibility Support website](#)

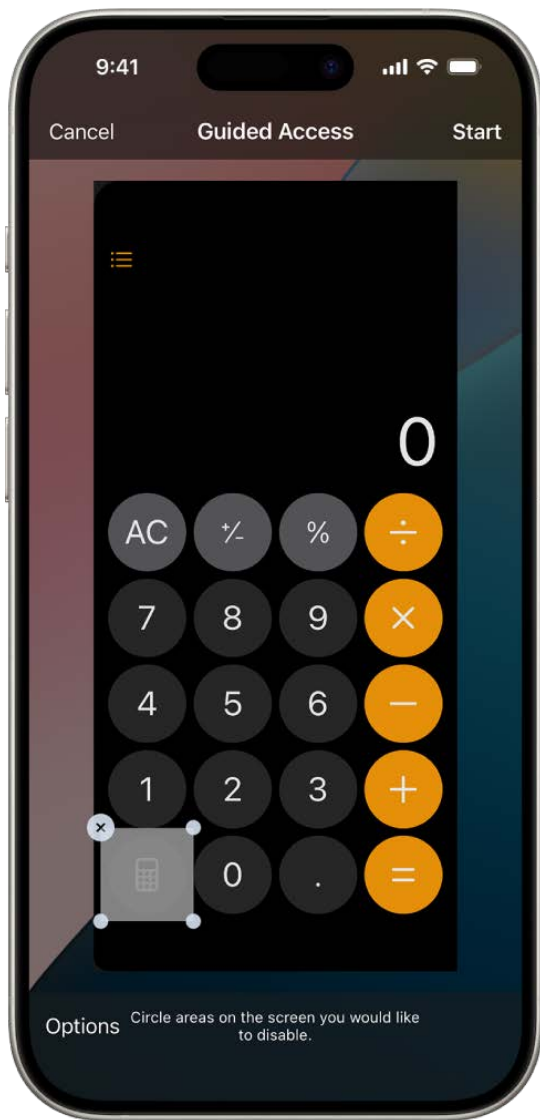
NAV TITLE: [Lock iPhone to one app](#)

Lock iPhone to one app with Guided Access

Metadata


Summary: With Guided Access, you can temporarily restrict iPhone to one app when you let a child use your device or when you want to stay focused on a task.

With Guided Access, you can temporarily restrict iPhone to a single app. This can be useful when you let a child use your iPhone or when you want to stay focused on a task. You can set a time limit, and customize which features, hardware buttons, and areas of the screen are available.



[Alt text: An iPhone screen showing Guided Access being set up. iPhone is being temporarily locked to just the Calculator app, and one of the buttons in the app has been disabled.]

Set up Guided Access

1. Go to Settings  [ALT N/A] > Accessibility > Guided Access, then turn on Guided Access.

2. Adjust any of the following:

- *Passcode Settings:* Tap Set Guided Access Passcode, then enter a passcode.

You can also turn on [Face ID](#) (on an iPhone with Face ID) or [Touch ID](#) (on other iPhone models) as a way to end a Guided Access session.

- *Time Limits:* Play a sound or speak the time remaining before a Guided Access session ends.
- *Accessibility Shortcut:* Allow the use of [Accessibility Shortcut](#) during Guided Access sessions.
- *Display Auto-Lock:* Set how long it takes iPhone to automatically lock during a Guided Access session.

Start a Guided Access session

1. Go to the app you want to use.
2. To turn on Guided Access, do one of the following:
 - Siri:** Say something like: “Turn on Guided Access.” [Learn how to use Siri.](#)
 - Use [Control Center](#) if you’ve added Guided Access there.
 - Use the [Accessibility Shortcut](#).
3. Circle any areas of the screen you want to disable. Drag the mask into position or use the handles to adjust its size.
4. Tap Options, then turn on or off any of the following:
 - Side Button
 - Volume Buttons
 - Motion (to prevent iPhone from switching from portrait to landscape or from responding to other motions)
 - Software Keyboards
 - Touch
 - Time Limit
5. Tap Start.

Important: Crash Detection and Emergency Services are not available while using Guided Access. Exit Guided Access to use Crash Detection or to make emergency calls.

End a Guided Access session

Depending on the passcode options you chose when you [set up Guided Access](#), do any of the following:

- *Use the passcode:* Triple-click the side button (on an iPhone with Face ID) or Home button (on other iPhone models), then enter the Guided Access passcode. If you didn’t set a Guided Access passcode, enter your iPhone passcode.
- *Use Face ID or Touch ID:* If you turned on the Face ID or Touch ID option in Guided Access Passcode Settings, double-click the side button or Home button, then unlock your iPhone with Face ID or Touch ID (depending on your iPhone model).

To set up an iPhone with a simplified user interface and a customizable set of core features, see the [Assistive Access User Guide](#).

Related

[Set up a Focus on iPhone](#)

[Hide distractions when reading articles in Safari on iPhone](#)

[Stop or reduce onscreen motion on iPhone](#)

[Cognitive accessibility features on iPhone](#)

Privacy and security

NAV TITLE: [Control what you share](#)

Control what you share on iPhone

Metadata

Summary: On your iPhone, control the overall level of privacy by choosing how much you want to share with apps.

Apps ask for permission the first time they want to use something on your iPhone. You can control which apps can access your data, location, camera, and microphone, and manage safety protections. You can later change how much you want to share.

Control which apps have access to information on your iPhone

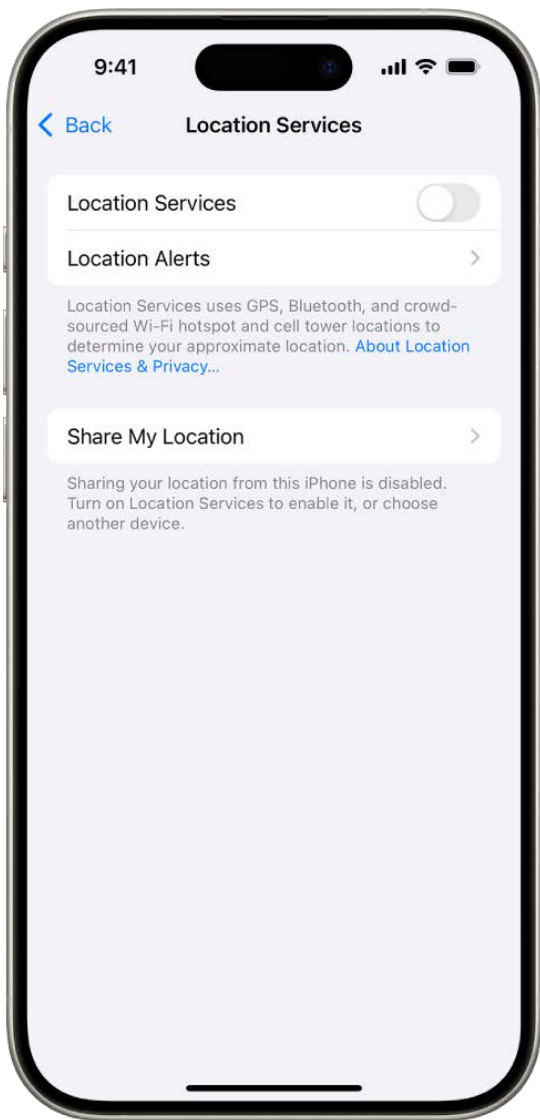


[Alt text: The Privacy & Security screen, with settings for Location Services and Tracking, and settings to control which apps can access your data.]


You can let third-party apps use information in your iPhone apps—such as Contacts, Photos, and Calendar—to help you get things done more quickly. For example, a message app may request access to your contacts to find friends who are using the same app. You can turn access on or off for any individual app.

[How to control access to information in iPhone apps](#)

Control which apps can use the location of your iPhone

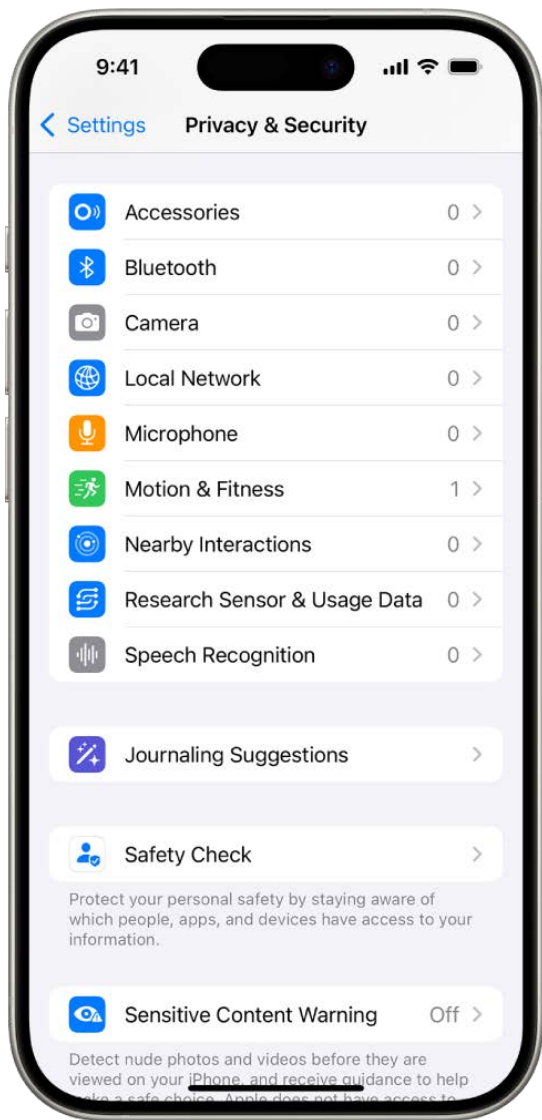


[Alt text: The Location Services screen, with settings to share the location of your iPhone with apps.]

When you give apps access to the location of your iPhone, those apps can help you get directions, receive assistance in an emergency, and more. For example, a ride-sharing app may request access to your location to pick you up. When an app is using Location Services,  [Alt text: the Location Services icon] appears in the status bar.

[How to control access to the location of your iPhone](#)

Control which apps have access to the camera and microphone on your iPhone

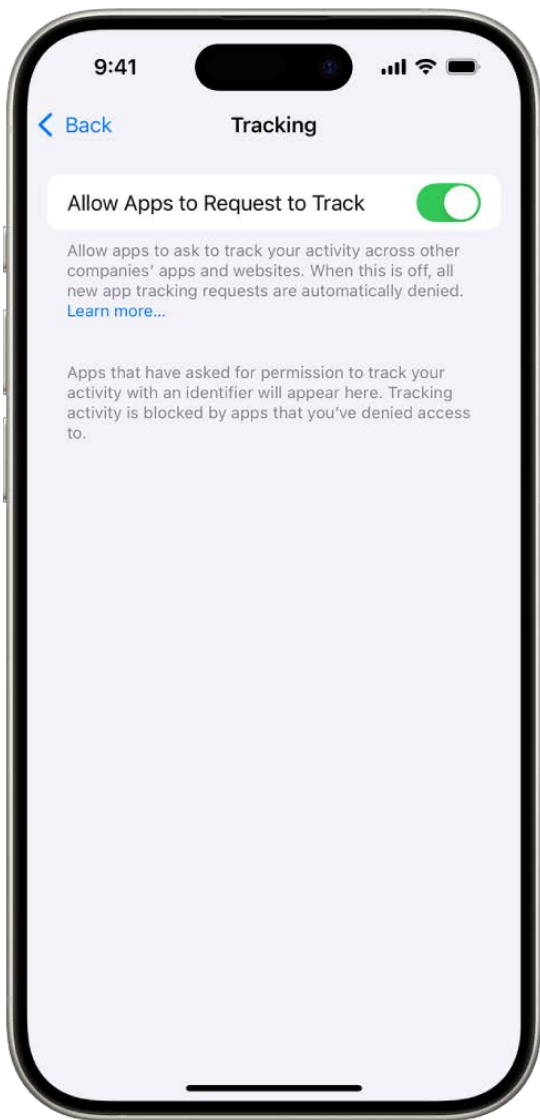


[Alt text: The Privacy & Security screen, with settings to control whether apps can use the camera, microphone, and other parts of your iPhone.]

You can let apps use the camera and microphone to make it easier to post content directly to those apps. For example, a social networking app may ask to use your camera so that you can take and upload pictures to that app. Whenever an app uses the camera (including when the camera and microphone are used together), a green indicator appears.

[How to control access to the camera and microphone](#)

Control which apps can track you or your iPhone across websites or other apps

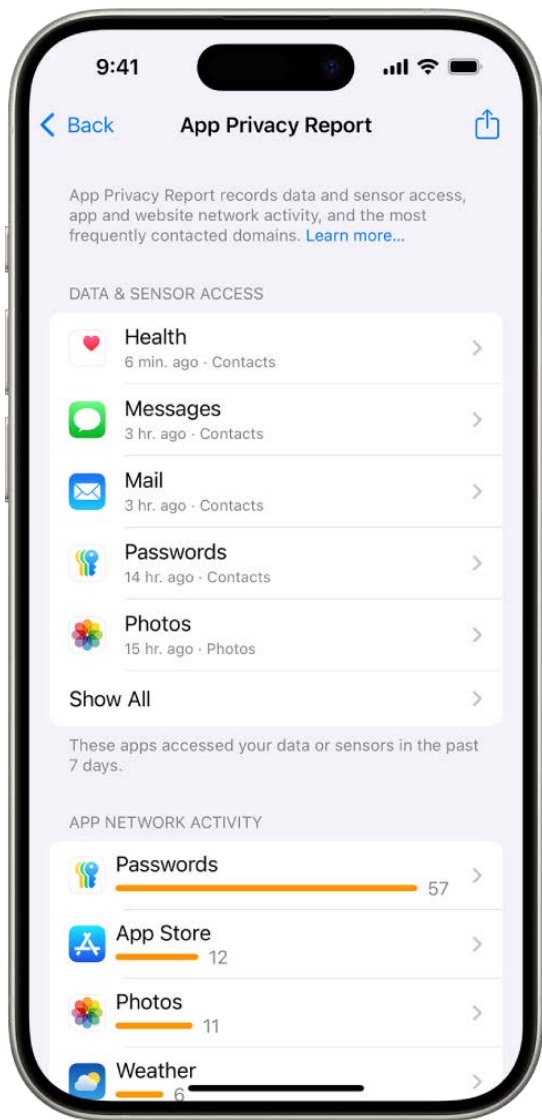


[Alt text: The Tracking screen, with a setting to control whether apps can request to track you across websites or apps owned by other companies.]

All apps are required to ask your permission before tracking you or your iPhone across websites or apps owned by other companies (for example, for advertising or to share your information with data brokers). After you grant or deny permission to an app, you can change permission later. You can also stop all apps from requesting permission.

[How to control app tracking permissions](#)

Review how apps are using the permissions you grant them



[Alt text: An App Privacy Report listing information about apps for the category Data & Sensor Access, and information about apps for the category App Network Activity.]

You can see how apps are using the permissions you've granted them, and their network activity, by reviewing an App Privacy Report.

[How to view an App Privacy Report](#)

To learn more about how Apple protects your information, go to the [Privacy website](#). To learn how Apple designs security into the core of its platforms, see the [Apple Platform Security Guide](#).

Protect access to your iPhone

NAV TITLE: [Set a passcode](#)

Set a passcode on iPhone


Metadata

Summary: For better security on your iPhone, set a passcode that needs to be entered to turn it on or wake it up.

For better security, set a passcode that needs to be entered to unlock iPhone when you turn it on or wake it. Setting a passcode also turns on data protection, which encrypts your iPhone data with 256-bit AES encryption. (Some apps may opt out of using data protection.)

- COMMENT - **Personal Safety content**

Set or change the passcode

1. Go to Settings  [ALT N/A], then depending on your model, do one of the following:
 - *On an iPhone with Face ID:* Tap Face ID & Passcode.
 - *On an iPhone with a Home button:* Tap Touch ID & Passcode.
2. Tap Turn Passcode On or Change Passcode.

To view options for creating a passcode, tap Passcode Options. The most secure options are Custom Alphanumeric Code and Custom Numeric Code.

After you set a passcode, on supported models you can [use Face ID](#) or [Touch ID](#) to unlock iPhone (depending on your model). For additional security, however, you must always enter your passcode to unlock your iPhone under the following conditions:

- You turn on or restart your iPhone.
- You haven't unlocked your iPhone for more than 48 hours.
- You haven't unlocked your iPhone with the passcode in the last 6.5 days, and you haven't unlocked it with Face ID or Touch ID in the last 4 hours.
- Your iPhone receives a remote lock command.
- There are five unsuccessful attempts to unlock your iPhone with Face ID or Touch ID.
- An attempt to use Emergency SOS is initiated (see [Use Emergency SOS](#)).
- An attempt to view your Medical ID is initiated (see [Set up and view your Medical ID](#)).

Change when iPhone automatically locks


Go to Settings  [ALT N/A] > Display & Brightness > Auto-Lock, then set a length of time.

Note: If you keep your iPhone on the Home Screen and don't take any action, your Auto-Lock

time is reduced by half.


Erase data after 10 failed passcodes

Set iPhone to erase all information, media, and personal settings after 10 consecutive failed passcode attempts.

1. Go to Settings  [ALT N/A] , then do one of the following:
 - *On an iPhone with Face ID:* Tap Face ID & Passcode.
 - *On an iPhone with a Home button:* Tap Touch ID & Passcode.
2. Scroll to the bottom and turn on Erase Data.

After all data is erased, you must [restore your device from a backup](#). If you didn't back up your iPhone, you need to [set it up again as new](#).

Turn off the passcode

1. Go to Settings  [ALT N/A] , then do one of the following:
 - *On an iPhone with Face ID:* Tap Face ID & Passcode.
 - *On an iPhone with a Home button:* Tap Touch ID & Passcode.
2. Tap Turn Passcode Off.

Reset the passcode

If you enter the wrong passcode four times in a row, you'll be locked out of your device, and you'll receive a message that says iPhone is disabled. If you can't remember your passcode, you can erase your iPhone with a computer or with recovery mode, then set a new passcode. See the Apple Support article [If you forgot your iPhone passcode, use your Mac or PC to reset it](#).

Note: If you made an iCloud or computer backup before you forgot your passcode, you can restore your data and settings from the backup.

Related

[Set up Face ID on iPhone](#)

[Set up Touch ID on iPhone](#)

NAV TITLE: [Set up Face ID](#)

Set up Face ID on iPhone

Metadata


Summary: Use Face ID to unlock iPhone, authorize purchases and payments, and sign in to many third-party apps.

Use Face ID ([supported models](#)) to securely and conveniently unlock iPhone, authorize purchases and payments, and sign in to many third-party apps by simply glancing at your iPhone.

To use Face ID, you must also [set a passcode](#) on your iPhone.

- COMMENT - **Personal Safety content**

Set up Face ID or add an alternate appearance

- If you didn't set up Face ID when you first set up your iPhone, go to Settings  [ALT N/A] > Face ID & Passcode > Set up Face ID, then follow the onscreen instructions.
- To set up an additional appearance for Face ID to recognize, go to Settings > Face ID & Passcode > Set Up an Alternate Appearance, then follow the onscreen instructions.


Choose when to use Face ID

You can use Face ID to unlock your iPhone, authorize payments, automatically fill in passwords, and open password-protected apps.

Go to Settings  [ALT N/A] > Face ID & Passcode, then turn on options below Use Face ID For.

Use Face ID while wearing a face mask

On iPhone 12 models, iPhone 13 models, iPhone 14 models, iPhone 15 models, and iPhone 16 models, you can use Face ID to unlock your phone while you wear a face mask (or other covering that blocks your mouth and nose).

When you turn on Face ID with a Mask, Face ID analyzes the unique characteristics around your eyes, and it works with all of the Face ID options you turn on in Settings  [ALT N/A] > Face ID & Passcode.

Note: Face ID is most accurate when it's set up for full-face recognition only.

Go to Settings > Face ID & Passcode, then do any of the following:

- *Allow Face ID to work while you wear a face mask:* Turn on Face ID with a Mask, then follow the onscreen instructions.

Important: If you usually wear glasses, you can improve the accuracy of Face ID by wearing a pair of transparent glasses (not sunglasses) when you turn on Face ID with a Mask.

- *Add a pair of transparent glasses (not sunglasses) to your appearance:* Tap Add Glasses, then follow the onscreen instructions.
- *Don't allow Face ID to work while you wear a face mask:* Turn off Face ID with a Mask.

Alternatively, you can use Apple Watch with all models of iPhone that support Face ID to unlock iPhone while you wear a face mask. See [Unlock iPhone with Apple Watch](#).

Temporarily disable Face ID


You can temporarily prevent Face ID from unlocking your iPhone.

1. Press and hold the side button and either volume button for 2 seconds.
2. After the sliders appear, press the side button to immediately lock iPhone.

iPhone locks automatically if you don't touch the screen for a minute or so.

The next time you unlock iPhone with your passcode, Face ID is enabled again.

Turn off Face ID

1. Go to Settings  [ALT N/A] > Face ID & Passcode.
2. Do one of the following:
 - *Turn off Face ID for specific items only:* Turn off one or more of the options.
 - *Turn off Face ID for face masks:* Turn off Face ID with a Mask.
 - *Turn off Face ID:* Tap Reset Face ID.

If your device is lost or stolen, you can prevent Face ID from being used to unlock your device with Find My iPhone Lost Mode. (See [Locate a device in Find My](#).)

For more information about Face ID, see [About Face ID advanced technology](#).

Related

[Change when iPhone automatically locks](#)

[Change Face ID and attention settings on iPhone](#)

[Turn on Lock Screen features on iPhone](#)

NAV TITLE: [Set up Touch ID](#)

Set up Touch ID on iPhone


Metadata

Summary: Use Touch ID to unlock iPhone, authorize purchases and payments, and sign in to many third-party apps.

Use Touch ID ([supported models](#)) to securely and conveniently unlock iPhone, authorize purchases and payments, and sign in to many third-party apps by pressing the Home button with your finger or thumb.

To use Touch ID, you must also [set up a passcode](#) on your iPhone.

Turn on Touch ID


1. Go to Settings  [ALT N/A] > Touch ID & Passcode.
2. Turn on any of the options below Use Touch ID For, then follow the onscreen instructions.

If you turn on iTunes & App Store, you're asked for your [Apple Account](#) password when you make your first purchase from the App Store, Apple Books, or the iTunes Store. When you make your next purchases, you're asked to use Touch ID.

Note: If you can't add a fingerprint or unlock your iPhone using Touch ID, see the Apple Support article [If Touch ID isn't working on your iPhone or iPad](#).


Choose when to use Touch ID

You can use Touch ID to unlock your iPhone, authorize payments, automatically fill in passwords, and open password-protected apps.

Go to Settings  [ALT N/A] > Touch ID & Passcode, then turn on options below Use Touch ID For.

Add a fingerprint

You can add multiple fingerprints (both of your thumbs and forefingers, for example).

1. Go to Settings  [ALT N/A] > Touch ID & Passcode.
2. Tap Add a Fingerprint.
3. Follow the onscreen instructions.

Name or delete a fingerprint

1. Go to Settings  [ALT N/A] > Touch ID & Passcode.

If you added more than one fingerprint, place a finger on the Home button to identify its print.

2. Tap the fingerprint, then enter a name (such as "Thumb") or tap Delete Fingerprint.

Turn off Touch ID

Go to Settings  [ALT N/A] > Touch ID & Passcode, then turn off one or more of the options.


Related

Turn on Lock Screen features on iPhone

Metadata

Summary: On iPhone, allow or disallow access to some commonly used features, such as Control Center and USB connections, when your device is locked.

You can make some commonly used features (such as Control Center, widgets, and media playback controls) available on the Lock Screen for easy access when iPhone is locked.

1. Go to Settings  [ALT N/A] > Face ID & Passcode (on an iPhone with Face ID) or Touch ID & Passcode (on an iPhone with a Home button).
2. Turn on options below Allow Access When Locked.

You can also supply medical information and emergency contacts in a Medical ID that first responders and others can view on your iPhone when it's locked. See [Set up and view your Medical ID](#).

If you turn off Lock Screen access to a feature, you prevent someone who has your iPhone from viewing any personal information that it might contain (such as an upcoming event in the Calendar widget). However, you also lose quick access to the information yourself.

Related

[Create a custom iPhone Lock Screen](#)

[Lock or hide an app on iPhone](#)

Keep your Apple Account secure on iPhone

Metadata


Summary: On your iPhone, maximize the security of your Apple Account.

Your Apple Account is the account you use to access Apple services like the App Store, Apple Music, iCloud, iMessage, and FaceTime. Your Apple Account includes the email address and password you use to sign in as well as the contact, payment, and security details you use across Apple services. Apple employs industry-standard practices to safeguard your Apple Account.

Best practices for maximizing the security of your Apple Account


- Don't let others use your Apple Account, even family members.


To share purchases, subscriptions, a family calendar, and more without sharing Apple Accounts, [set up Family Sharing](#).

- Use two-factor authentication. If you created your Apple Account on a device with iOS 13.4, iPadOS 13.4, macOS 10.15.4, or later, your account automatically uses two-factor authentication. If you previously created an Apple Account without two-factor authentication, [turn on two-factor authentication](#) now.
- Never provide your password, security questions, verification codes, recovery key, or any other account security details to anyone else. Apple will never ask you for this information.
- When accessing your Apple Account page in Safari or another web browser, look for  [Alt text: the Lock icon] in the address field to verify that your session is encrypted and secure.
- When using a public computer, always sign out when your session is complete to prevent other people from accessing your account.
- Avoid phishing scams. Don't click links in suspicious email or text messages, and never provide personal information on any website you aren't certain is legitimate. See the Apple Support article [Recognize and avoid social engineering schemes including phishing messages, phony support calls, and other scams](#).
- Don't use your password with other online accounts.
- If one of your devices is lost or stolen, turn on [Lost Mode](#) as soon as possible for that device. (You can do this on a friend's device and don't need to use your own.)

Add Account Recovery Contacts


If you forget your password or get locked out, choose one or more people you trust as Account Recovery Contacts to help you reset your Apple Account password and regain access to your account.

Go to Settings  [ALT N/A] > [your name] > Sign-In & Security > Recovery Contacts, tap Add Recovery Contact, then follow the onscreen instructions.

For more information, go to Settings  [ALT N/A] > [your name] > Sign-In & Security, then tap "Learn more" below Add Recovery Contact.

Add Legacy Contacts

The Digital Legacy program allows you to designate people as Legacy Contacts so they can access your Apple Account in the event of your death.

Go to Settings  [ALT N/A] > [your name] > Sign-In & Security > Legacy Contact, tap Add Legacy Contact, then follow the onscreen instructions.

For more information about how to share the access key with a legacy contact, how to remove a legacy contact, and how your legacy contact can request access to your account, see the Apple Support article [How to add a Legacy Contact for your Apple Account](#). Also see the Apple Support article [Data that a Legacy Contact can access](#).

Generate a recovery key for your account

For additional control over your account security, you can generate a recovery key that helps you reset your account password or regain access to your Apple Account. A recovery key is a randomly generated 28-character code that you should keep in a safe place. You can reset your account password by either entering your recovery key or using another device already signed in to your Apple Account. To ensure you have access to your account, you are personally responsible for maintaining access to the recovery key and your trusted devices.

See the Apple Support article [Set up a recovery key for your Apple Account](#).

For more information about best practices, see the Apple Support article [Security and your Apple Account](#).

To set up or manage your Apple Account, go to the [Apple Account website](#).

If you forgot your Apple Account password, see the [Recover your Apple Account website](#).

Manage what you share with people and apps

NAV TITLE: [Manage information sharing with Safety Check](#)

Manage information sharing with Safety Check on iPhone


Metadata

Summary: In Settings on iPhone, use Safety Check to manage information you share with others.

NoIndex

Use Safety Check to periodically review and update information you share with people, apps, and devices. From Safety Check, you can stop sharing your location with others in Find My, remove others' access to shared content like Photos, Notes, and Calendar, reset system privacy permissions for apps, restrict Messages and FaceTime to the device in your hand, and more.

- COMMENT - [Personal Safety content](#)

1. Go to Settings  [ALT N/A] > Privacy & Security > Safety Check.
2. Tap Manage Sharing & Access, tap Continue, then follow the onscreen instructions.

You might also be sharing information that Safety Check can't review or change—for example, accounts and passwords, social media sharing, and information shared from another device. To learn more about reducing the information you share, see [Additional considerations when using Safety Check](#) in the Personal Safety User Guide.

Important: In an emergency, you can also use Safety Check to quickly reset access to your device and personal information. Go to Settings > Privacy & Security > Safety Check, tap Emergency Reset, tap Start Emergency Reset, then follow the onscreen instructions.

To learn more about Safety Check, see [How Safety Check on iPhone works to keep you safe](#) in the Personal Safety User Guide.

Important:

Related

[Stop sharing with people and apps with Safety Check on iPhone](#)
[Protect your web browsing with iCloud Private Relay on iPhone](#)
[Harden your iPhone from a cyberattack with Lockdown Mode](#)

NAV TITLE: [Control app tracking permissions](#)


Control app tracking permissions on iPhone

Metadata

Summary: On your iPhone, control whether apps have permission to track you across websites or apps.

All apps are required to ask your permission before tracking you or your iPhone across websites or apps owned by other companies for advertising or to share your information with data brokers. After you grant or deny permission to an app, you can change permission later. You can also stop all apps from requesting permission.

Review or change an app's permission to track you

1. Go to Settings  [ALT N/A] > Privacy & Security > Tracking.

The list shows the apps that requested permission to track you. You can turn permission on or off for any app on the list.

2. To stop all apps from asking permission to track you, turn off Allow Apps to Request to Track (at the top of the screen).

For more information about app tracking, tap “Learn more” near the top of the screen.

Related

[Browse the web privately in Safari on iPhone](#)


NAV TITLE: [Control the location information you share](#)

Control the location information you share on iPhone

Metadata

Summary: On iPhone, control the information you share about your location.


You control whether iPhone and apps have information about your location.

To figure out where you are when getting directions, setting up meetings, and more, Location Services uses information (when available) from GPS networks, your Bluetooth® connections, your local Wi-Fi networks, and your cellular network. When an app is using Location Services,  [Alt text: the Location Services icon] appears in the status bar.

When you set up iPhone, you're asked if you want to turn on Location Services. Afterward, you can turn Location Services on or off at any time.


The first time an app wants location data from your iPhone, you receive a request with an explanation. Some apps may make a one-time only request for your location. Other apps may ask you to share your location now and in the future. Whether you grant or deny ongoing access to your location, you can change an app's access later.

Turn on Location Services

If you didn't turn on Location Services when you first set up iPhone, go to Settings  [ALT N/A] > Privacy & Security > Location Services, then turn on Location Services.

Important: If you turn off Location Services, many important iPhone features stop working.

View apps using your location information

1. Go to Settings  [ALT N/A] > Privacy & Security > Location Services.
2. To review or change access settings for an app or to see its explanation for requesting Location Services, tap the app.


To allow an app to use your specific location, leave Precise Location turned on. To share only your approximate location—which may be sufficient for an app that doesn't need your exact location—turn Precise Location off.

Note: If you set the access for an app to Ask Next Time, you're asked to turn on Location Services again the next time an app tries to use it.

To understand how a third-party app uses the information it's requesting, review its terms and privacy policy. See the Apple Support article [About privacy and Location Services](#).

Hide the map in Location Services alerts



When you allow an app to always use your location in the background, you may receive alerts about the app's use of that information. (These alerts let you change your permission, if you want to.) In the alerts, a map shows locations recently accessed by the app.

To hide the map, go to Settings  [ALT N/A] > Privacy & Security > Location Services > Location Alerts, then turn off Show Map in Location Alerts.

With the setting off, you continue to receive location alerts, but the map isn't shown.

Review or change Location Services settings for system services

Several system services, such as location-based suggestions and location-based ads, use Location Services.

To see the status for each service, to turn Location Services on or off for each service, or to show  [Alt text: the Location Services icon] in the status bar when enabled system services use your location, go to Settings  [ALT N/A] > Privacy & Security > Location Services > System Services.

Related

[Manage information sharing with Safety Check on iPhone](#)

[Control access to information in apps on iPhone](#)

NAV TITLE: [Control access to information in apps](#)

Control access to information in apps on iPhone

Metadata


Summary: On iPhone, control access to information in Contacts, Photos, Calendar, and other

apps.

You control whether third-party apps have access to information in Contacts, Photos, Calendar, and other apps.

Review or change access to information in apps

The first time an app wants to use information from another app, you receive a request with an explanation. For example, a messaging app may request access to your contacts to find friends who are using the same app. After you grant or deny access, you can change access later.


1. Go to Settings  [ALT N/A] > Privacy & Security.
2. Tap a category of information, such as Calendars, Reminders, or Motion & Fitness.

A list appears showing the apps that requested access. You can turn access on or off for any app on the list.

Review how apps are using the permissions you grant them

Go to Settings  [ALT N/A] > Privacy & Security, then tap App Privacy Report.

The App Privacy Report shows you how apps are using the permissions you granted them and shows you their network activity.

To turn off the report and delete its data, go to Settings  [ALT N/A] > Privacy & Security > App Privacy Report, then tap Turn Off App Privacy Report. You can return to this Settings screen to turn the report on again.

Related

[Manage information sharing with Safety Check on iPhone](#)

[Apple Support article: About App Privacy Report](#)

[Apple Support article: About privacy and Location Services](#)


NAV TITLE: [Control access to contacts](#)

Control access to your contacts on iPhone

Metadata

Summary: On iPhone, you control which of your contacts an app can access.

On iPhone, you control which of your contacts an app can access. The first time an app wants to access your contacts, you receive a request from the app, along with an explanation. For example, a messaging app may ask to access your contacts in order to find friends who are using the same app. After you grant or deny the app's request, choose which contacts the app can access. You can always change the access you granted later.

1. Go to Settings  [ALT N/A] > Privacy & Security.
2. Tap Contacts, then tap the app.
3. Choose how much access to your contacts you're giving the app (below Contacts Access).
4. If you're giving Limited Access, tap Edit Selected Contacts to choose individuals.

Select or deselect individual contacts, then tap Done.

Related

[Control access to information in apps on iPhone](#)

NAV TITLE: [Control how Apple delivers advertising to you](#)

Control how Apple delivers advertising to you on iPhone

Metadata

Summary: On iPhone, control how Apple delivers advertising in the App Store, Apple News, and Stocks.

You control how Apple delivers advertising.


Ads delivered by Apple may appear in the App Store, Apple News, and Stocks. These ads don't access data from any other apps. In the App Store and Apple News, your search and download history may be used to serve you relevant search ads. In Apple News and Stocks, ads are served based partly on what you read or follow. This includes publishers you've enabled notifications for and the type of publishing subscription you have. The articles you read are not used to serve targeted ads to you outside these apps, and information collected about what you read is linked to a random identifier rather than to your Apple Account.

Review the information Apple uses to deliver ads

Go to Settings  [ALT N/A] > Privacy & Security > Apple Advertising > View Ad Targeting Information.


The information is used by Apple to deliver more relevant ads in the App Store, Apple News, and Stocks. Your personal data isn't provided to other parties.

Turn personalized ads on or off

Go to Settings  [ALT N/A] > Privacy & Security > Apple Advertising, then turn Personalized Ads on or off.

Note: Turning off personalized ads limits Apple's ability to deliver relevant ads to you. It may not reduce the number of ads you receive.

Learn more about privacy and Apple's advertising platform

Go to Settings  [ALT N/A] > Privacy & Security > Apple Advertising > About Advertising & Privacy.

Related

[Manage information sharing with Safety Check on iPhone](#)

NAV TITLE: [Control access to hardware features](#)

Control access to hardware features on iPhone


Metadata

Summary: On iPhone, control whether apps have access to the camera, microphone, and other hardware features.

Before apps use the camera or microphone on your iPhone, they're required to request your permission and explain why they're asking. For example, a social networking app may ask to use your camera so that you can take and upload pictures to that app. Apps are similarly required to request your permission to use various other hardware features, including Bluetooth® connectivity, motion and fitness sensors, and devices on your local network.

You can review which apps have requested access to these hardware features, and you can change their access at your discretion.

Review or change access to the camera, microphone, and other hardware features

1. Go to Settings  [ALT N/A] > Privacy & Security.
2. Tap a hardware feature, such as Camera, Bluetooth, Local Network, or Microphone.

The list shows the apps that requested access. You can turn access on or off for any app on the list.

Note: Whenever an app uses the camera (including when the camera and microphone are used together), a green indicator appears. An orange indicator appears at the top of the screen whenever an app uses the microphone without the camera. Also, a message appears at the top

of Control Center to inform you when an app has recently used either.

Related

[Manage information sharing with Safety Check on iPhone](#)


NAV TITLE: [Create and manage Hide My Email addresses](#)

Create and manage Hide My Email addresses in Settings on iPhone

Metadata

Summary: Use Hide My Email on iPhone so you don't have to share your real email address when filling out a form on the web or signing up for a newsletter.

When you [subscribe to iCloud+](#), you can use Hide My Email to keep your personal email address private. With Hide My Email, you can generate unique, random email addresses that forward to your personal email account, so you don't have to share your real email address when filling out forms or signing up for newsletters on the web, or when sending email.

You can create and manage Hide My Email addresses in Settings  [ALT N/A] . Go to Settings > [your name] > iCloud > Hide My Email, then do any of the following:

- *Create a Hide My Email address:* Tap Create New Address, then follow the onscreen instructions.
- *Deactivate a Hide My Email address:* Tap an address (below Create New Address), then tap Deactivate Email Address. After you deactivate the address, it no longer forwards emails to you.
- *Change which personal email address you forward to:* Tap Forward To, then choose an email address. Options consist of addresses that are available with your Apple Account.
- *Copy a forwarding address to use elsewhere:* Tap an address (below Create New Address), touch and hold the Hide My Email section, then tap Copy. To immediately use that address elsewhere, touch and hold in a text field, then tap Paste.

You can also generate Hide My Email addresses in Safari and Mail wherever email addresses are required. See [Use Hide My Email in Safari](#) and [Use Hide My Email in Mail](#). In supporting apps, you can also generate a Hide My Email address when an email address is required by tapping the email address field, then tapping Hide My Email above the keyboard.

Related

Protect your web browsing with iCloud Private Relay on iPhone

Metadata

Summary: iCloud Private Relay on iPhone hides your IP address and web browsing activity from network providers and websites.

When you [subscribe to iCloud+](#), you can use iCloud Private Relay to help prevent websites and network providers from creating a detailed profile about you. When iCloud Private Relay is on, the traffic leaving your iPhone is encrypted and sent through two separate internet relays. This prevents websites from seeing your IP address and exact location while preventing network providers from collecting your browsing activity in Safari.

Note: iCloud Private Relay isn't available in all countries or regions. For more information, see the [iOS and iPadOS Feature Availability website](#).

Turn iCloud Private Relay on

Go to Settings  [ALT N/A] > [your name] > iCloud > Private Relay, then tap Private Relay.

Note: You need to turn on iCloud Private Relay on each device where you want to use it.

Turn iCloud Private Relay off

1. Go to Settings  [ALT N/A] > [your name] > iCloud > Private Relay, then tap Private Relay.

2. Do one of the following:

- *Turn off iCloud Private Relay temporarily:* Tap Turn Off Until Tomorrow.

Within 24 hours, iCloud Private Relay will turn back on automatically. If you want it to resume sooner, follow the instructions for turning it on at any time.

- *Turn off iCloud Private Relay completely:* Tap Turn Off Private Relay.

For information about turning off iCloud Private Relay temporarily for a specific website, see [Temporarily allow a website to see your IP address](#).

Turn iCloud Private Relay on or off for a Wi-Fi network

1. Go to Settings  [ALT N/A] > Wi-Fi.

2. Tap  [Alt text: the Actions Available button] , then turn Limit IP Address Tracking on or off.

If you turn off Limit IP Address Tracking for a Wi-Fi network on your iPhone, iCloud Private Relay is turned off for this network across all your devices where you're [signed in to the same Apple Account](#).

Turn iCloud Private Relay on or off for a cellular network


1. Go to Settings  [ALT N/A] > Cellular, then do one of the following:

- *If your iPhone has a single line:* Tap Cellular Data Options.
- *If your iPhone has multiple lines:* Select a line (below SIMs).

2. Turn Limit IP Address Tracking on or off.

The network setting is specific to a physical SIM or eSim in your iPhone (eSIM not available in all countries or regions). See [View or change cellular data settings](#).

Set the specificity of your IP address location

Go to Settings  [ALT N/A] > [your name] > iCloud > Private Relay > IP Address Location, then choose one of the following:

- Maintain General Location (for example, to see local content in Safari)
- Use Country and Time Zone (to make your location more obscure)

Related

[Use Hide My Email in Safari on iPhone](#)

[Apple Support article: About iCloud Private Relay](#)

NAV TITLE: [Use a private network address](#)

Use a private network address on iPhone



Metadata

Summary: Use Settings on iPhone to turn its private address off or on for a Wi-Fi network.

To help protect your privacy, your iPhone uses a unique private network address, called a *media access control (MAC) address*, on each Wi-Fi network it joins.

If a network can't use a private address (for example, to provide parental controls or to identify your iPhone as authorized to join), you can stop using a private address for that network.

Turn a private address off for a network

1. Go to Settings  [ALT N/A] > Wi-Fi, then tap  [Alt text: the Settings button] for a network.
2. Turn Private Address off.

Important: For better privacy, leave Private Address turned on for all networks that support it. Using a private address helps reduce tracking of your iPhone across different Wi-Fi networks.

Related

[View available networks and connect to Wi-Fi](#)

NAV TITLE: [Use Advanced Data Protection](#)

Use Advanced Data Protection for your iCloud data

Metadata

Summary: Advanced Data Protection on iPhone provides end-to-end encryption in additional data categories.

By default, iCloud secures your information by encrypting it when it's in transit, storing it in an encrypted format, and securing your encryption keys in Apple data centers. In addition, many Apple services use end-to-end encryption; your information is encrypted using keys derived from your devices and your device passcode, which only you know.

For the highest level of cloud data security, you can turn on Advanced Data Protection (iOS 16.2 or later required). It uses end-to-end encryption on more data categories such as the following:

- Device backup
- Messages backup
- iCloud Drive
- Notes
- Photos
- Reminders
- Safari bookmarks
- Siri Shortcuts

- Voice Memos
- Wallet passes

With Advanced Data Protection, your protected data can be decrypted only on your trusted devices, protecting your information even in the case of a data breach in the cloud. Not even Apple can access your information.

For detailed information about the requirements for using Advanced Data Protection, see the Apple Support article [How to turn on Advanced Data Protection for iCloud](#).

Turn on Advanced Data Protection

1. Go to Settings > [your name] > iCloud, then tap Advanced Data Protection.
2. Tap Turn On Advanced Data Protection.
3. If you haven't set up a Recovery Contact or Recovery Key, tap Account Recovery, tap Set Up Account Recovery, then follow the onscreen instructions.

WARNING: If you use Advanced Data Protection, you're responsible for your data recovery. Because Apple won't have the keys required to recover your data, you'll need to have a Recovery Contact or Recovery Key set up on your account. You can use these additional recovery methods to regain access to your data if you ever forget your password or lose access to your account.

If you choose to turn off Advanced Data Protection later, your iCloud data will revert to the standard level of security.

Related

[Apple Support article: iCloud data security overview](#)

NAV TITLE: [Use Lockdown Mode](#)

Harden your iPhone from a cyberattack with Lockdown Mode

Metadata

Summary: Lockdown Mode helps protect your iPhone if you believe it's being targeted by a sophisticated cyberattack.

Lockdown Mode is an extreme protection feature for iPhone. Its protections include safer wireless connectivity defaults, media handling, media sharing defaults, sandboxing, and network security optimizations.

Lockdown Mode is optional and should be used only if you believe you might be targeted by a highly sophisticated cyberattack, such as by a private company developing state-sponsored mercenary spyware.


Important: Most people are never targeted by attacks of this nature.

When iPhone is in Lockdown Mode, it doesn't function as it typically does. Apps, websites, and features are strictly limited for security, and some functionality isn't available, including:

- SharePlay
- Shared Albums
- FaceTime Live Photos
- FaceTime Continuity Handoff

In addition, your iPhone must be unlocked to connect with wired accessories. (Some connections are permitted for a short time after going into Lockdown Mode.)

Turn on Lockdown Mode

Go to Settings  [ALT N/A] > Privacy & Security > Lockdown Mode, then tap Turn On Lockdown Mode.

If you've set up an Apple Watch with your iPhone, turning on Lockdown Mode also turns it on for the paired Apple Watch (requires watchOS 10 or later).

Important: For complete protection, all of your devices must have Lockdown Mode turned on.

Learn about Lockdown Mode

Go to Settings  [ALT N/A] > Privacy & Security > Lockdown Mode, then tap Learn More.

Related

[Manage information sharing with Safety Check on iPhone](#)

NAV TITLE: [Use Stolen Device Protection](#)

Use Stolen Device Protection on iPhone


Metadata

Summary: Stolen Device Protection is a security feature designed to protect against the rare instance when someone has stolen your iPhone and knows your passcode.

You can use Stolen Device Protection to protect against the rare instance when someone has stolen your iPhone and knows your passcode. Stolen Device Protection prevents the person from performing critical device and Apple Account operations (like changing your device passcode or Apple Account password). It does this by requiring biometric authentication with Face ID or Touch ID. There is no passcode to fall back on.


When Stolen Device Protection is turned on, more sensitive operations require a Security Delay: a successful Face ID or Touch ID, an hour wait, then an additional successful biometric authentication. Security Delay helps prevent someone from making changes to settings that can lock you out of your iPhone or Apple Account. These measures help protect your device and account, and give you more time to [turn on Lost Mode using the Find My app](#) or [find devices on iCloud.com](#).

Turn on Stolen Device Protection

1. Go to Settings  [ALT N/A] , then do one of the following:
 - *On an iPhone with Face ID:* Tap Face ID & Passcode, then enter your passcode.
 - *On an iPhone with a Home button:* Tap Touch ID & Passcode, then enter your passcode.
2. Scroll down and tap Stolen Device Protection.

Note: If you don't see Stolen Device Protection, you may need to [set up Face ID](#) or [Touch ID](#) first.
3. Turn on Stolen Device Protection.
4. Do one of the following:
 - *Use Stolen Device Protection when you're away from home or work:* Tap Away from Familiar Locations.
 - *Use Stolen Device Protection everywhere:* Tap Always.

Turn off Stolen Device Protection

1. Go to Settings  [ALT N/A] , then do one of the following:
 - *On an iPhone with Face ID:* Tap Face ID & Passcode, then enter your passcode.
 - *On an iPhone with a Home button:* Tap Touch ID & Passcode, then enter your passcode.
2. Scroll down and tap Stolen Device Protection.
3. Turn off Stolen Device Protection.

If you have Stolen Device Protection set to Away from Familiar Locations and you're not at home or work, or you have Stolen Device Protection set to Always, a Security Delay is required to turn off Stolen Device Protection. Tap Start Security Delay, then follow the onscreen instructions.

For more detailed information about Stolen Device Protection, see the Apple Support article [About Stolen Device Protection for iPhone](#).

Related

[Sign in and manage your Apple Account on iPhone](#)

[Reset privacy and security settings in an emergency](#)

[Locate a device in Find My on iPhone](#)

NAV TITLE: [Receive warnings about sensitive content](#)


Receive warnings about sensitive content on iPhone

Metadata

Summary: Have your iPhone check for sensitive images and warn you before you view them.

You can have your iPhone (or your family member's iPhone) check for sensitive images and warn you before you view them.

Turn on Sensitive Content Warning

1. Go to Settings  [ALT N/A] > Privacy & Security.
2. Scroll down and tap Sensitive Content Warning, then turn on Sensitive Content Warning.

You (or your family member) will receive a warning before receiving or sending sensitive images.

Note: Sensitive Content Warning is turned on automatically if you set up Screen Time and turn on Communication Safety. See [Check for sensitive images on iPhone](#).

In Screen Time, you can also block inappropriate content and set restrictions on purchases. See [Block content and prevent iTunes & App Store purchases](#).

Related

[Set communication limits and block apps and content on iPhone](#)

NAV TITLE: [Use Contact Key Verification](#)

Use Contact Key Verification on iPhone

Metadata

Summary: Contact Key Verification on iPhone helps you verify the identity of the person you are communicating with.

You can use Contact Key Verification to receive automatic alerts that help verify you're communicating only with the people you intend. You can also generate unique codes that you and your contacts can compare simultaneously in the Messages app to further verify each other's identities. Additionally, you can post your Public Verification Code to a social media account so other people can confirm that it's you when they send you a message, and you can save other people's codes in the Contacts app.


Note: Contact Key Verification is designed to prevent highly sophisticated cyberattacks; it isn't designed to prevent fraud such as phishing or other text-based scams. To learn more about Contact Key Verification and troubleshooting, see the Apple Support article [About iMessage Contact Key Verification](#).

Before you begin

To use Contact Key Verification, make sure of the following:

- Your devices are passcode or password protected.
- You're signed in to iCloud and iMessage with the same Apple Account and you have two-factor authentication turned on for your Apple Account.
- The person you're trying to verify is in your contacts.


Turn on Contact Key Verification

1. Go to Settings  [ALT N/A] > [your name] > Contact Key Verification.
2. Turn on Verification in iMessage, then tap Continue.

Note: When you turn on Contact Key Verification, you're prompted to update all of your Apple devices to compatible software. If you have a device that can't be updated, you need to sign out of iMessage on that device before you can turn on this feature.

Share a Public Verification Code


You can share your Public Verification Code in a message, or post it on a social media account so other people can verify your identity.

1. Go to Settings  [ALT N/A] > [your name] > Contact Key Verification.
2. Tap Show Public Verification Code.
3. To share your Public Verification Code, tap Copy Verification Code, tap OK, then paste the code wherever you want to share it.

You can also use someone else's Public Verification Code to verify their identity. For example, if someone shares a Public Verification Code with you that doesn't match the code they have displayed on their social media profile, you should stop sending them messages until you can confirm their identity.

Generate verification codes in Messages

For a higher level of security, you and your contacts can generate a verification code in Messages, then save each other's Public Verification Codes in Contacts. This is useful when you want to verify each other simultaneously, or if the Public Verification Code you received doesn't match the one your contact shares with you.

1. Go to the Messages app  [ALT N/A] on your iPhone.
2. Tap the person's name at the top of the conversation, scroll down, then tap Verify Contact.

When the other person taps Verify Contact on their device, a contact verification code appears.

3. Compare the verification codes on both devices, then do one of the following:
 - *If the codes match:* Tap Mark as Verified, then tap Update to add the verification code to the other person's contact card.
 - *If the codes don't match:* You might not be communicating with the person that you intend. Tap No Match, then stop sending messages to the person until you can verify their identity.

After you verify a contact, a checkmark appears next to their name in Messages. You can also check their verification status in the Conversation Details, or find their Public Verification Code in Contacts.

Related

[Sign in and manage your Apple Account on iPhone](#)

[Block, filter, and report messages on iPhone](#)

[Add and use contact information on iPhone](#)


[About iMessage on iPhone](#)

Restart, update, reset, and restore

Turn iPhone on or off

Metadata

Summary: Use the side button to turn iPhone on. Use the buttons or Settings to turn iPhone off.

Use the side button to turn on iPhone. You can use the side button (along with either volume button on some models) or Settings  [ALT N/A] to turn off iPhone.

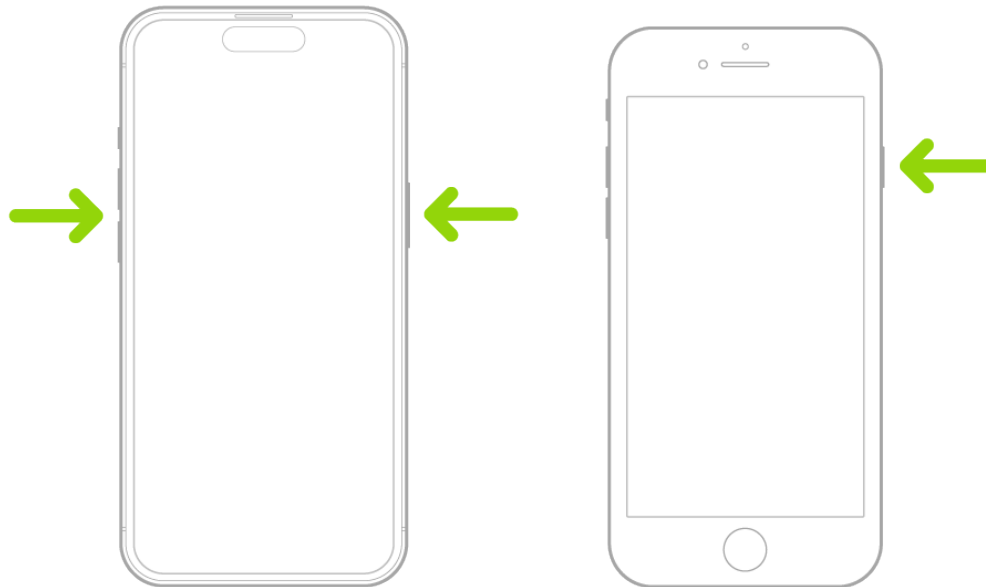
If your iPhone isn't working as expected, you can try restarting it by turning it off, then turning it back on. If turning it off and on doesn't fix the issue, try [forcing it to restart](#).

Turn on iPhone


Press and hold the side button until the Apple logo appears.

Turn off iPhone

- *iPhone with Face ID:* Simultaneously press and hold the side button and either volume button until the sliders appear, then drag the Power Off slider.
- *iPhone with the Home button:* Press and hold the side button, then drag the slider.



[Alt text: Illustrations of two different iPhone models with the screens facing up. The leftmost illustration shows the volume up and volume down buttons on the left side of the device and the side button on the right. The rightmost illustration shows the side button on the right of the device.]

- *All models:* Go to Settings  [ALT N/A] > General > Shut Down, then drag the slider.

Related

[Force restart iPhone](#)

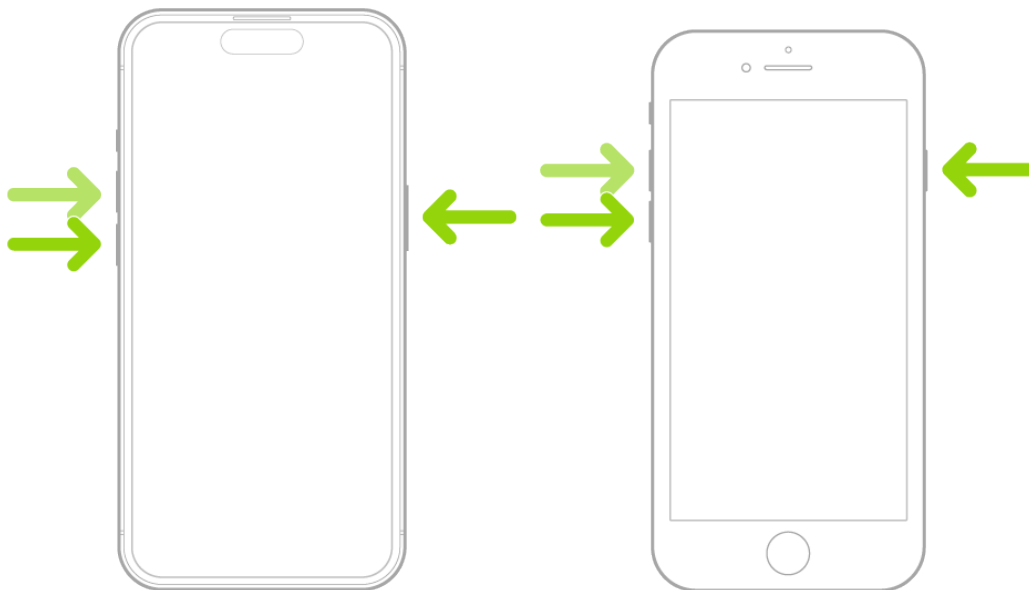
Force restart iPhone

Metadata

Summary: If iPhone isn't responding, try forcing it to restart.

If iPhone isn't responding, and you can't [turn it off then on](#), try forcing it to restart.

1. Press and quickly release the volume up button.
2. Press and quickly release the volume down button.
3. Press and hold the side button.
4. When the Apple logo appears, release the side button.



[Alt text: An illustration of two iPhone models, one with a Home button and one without, with the screens facing up. The volume buttons for each model are on the left side of iPhone, and the side button is on the right.]

If iPhone doesn't restart after you try these steps, see the Apple Support article [If your iPhone won't turn on or is frozen](#). Or if your iPhone isn't working as expected after you restart it, see the [iPhone Support website](#).

NAV TITLE: [Update iOS](#)

Update iOS on iPhone

Metadata

Summary: On iPhone, update to the latest version of iOS. Your data and settings remain unchanged.


When you update to the latest version of iOS, your data and settings remain unchanged.

Before you update, set up iPhone to [back up](#) automatically, or back up your device manually.

- COMMENT - **Personal Safety content**

Update iPhone automatically


If you didn't turn on automatic updates when you first set up your iPhone, do the following:

1. Go to Settings  [ALT N/A] > General > Software Update > Automatic Updates.
2. Turn on iOS Updates below Automatically Install and Automatically Download.

When an update is available, iPhone downloads and installs the update overnight while charging and connected to Wi-Fi. You're notified before an update is installed.

Update iPhone manually

At any time, you can check for and install software updates.

Go to Settings  [ALT N/A] > General > Software Update.

The screen shows the currently installed version of iOS and whether an update is available.

To turn off automatic updates, go to Settings > General > Software Update > Automatic Updates.

Update using your computer

1. [Connect iPhone and your computer with a cable.](#)
2. Do one of the following:
 - *On a Mac (macOS 10.15 or later):* In the Finder sidebar, select your iPhone, then click General at the top of the window.
 - *On a Mac (macOS 10.14 or earlier) or a Windows device:* Open the iTunes app, click the button resembling an iPhone near the top left of the iTunes window, then click Summary.

Note: Use the latest version of iTunes. See the Apple Support article [Update to the latest version of iTunes](#).

3. Click Check for Update.
4. To install an available update, click Update.

See the Apple Support articles [Update to the latest iOS](#) and [If you can't update or restore your iPhone, iPad, or iPod touch](#).

Back up iPhone

Metadata


Summary: Back up iPhone using iCloud or your computer. If you replace your iPhone, you can use the backup to transfer your information to the new device.

You can back up iPhone using iCloud or your computer. To decide which method is best for you, see [About backups for iPhone, iPad, and iPod touch](#).

Tip: If you replace your iPhone, you can use its backup to transfer your information to the new device. See [Restore all content to iPhone from a backup](#).

Back up iPhone using iCloud

iCloud backups store information and settings on your device that don't regularly sync to iCloud. This includes things like device settings, Home Screen layout, and app organization. See the Apple Support article [What does iCloud back up?](#)

1. Go to Settings  [ALT N/A] > [your name] > iCloud > iCloud Backup.
2. Turn on Backup This iPhone.

iCloud automatically backs up your iPhone daily when iPhone is connected to power, locked, and connected to Wi-Fi.

Note: On [models that support 5G](#), your carrier may give you the option to back up iPhone using your cellular network. Go to Settings > [your name] > iCloud > iCloud Backup, then turn Back Up Over Cellular on or off.

3. To perform a manual backup, tap Back Up Now.

If you need help backing up your iPhone with iCloud, see the Apple Support article [If you can't back up to iCloud](#).


View available iCloud storage

Go to Settings  [ALT N/A] > [your name] > iCloud.

The amount of iCloud storage used and the amount of iCloud storage available appear at the top of the screen.

Manage iCloud storage

You can view details about iCloud backups, such as the last backup, the next backup size, and the apps included in the backup.

1. Go to Settings  [ALT N/A] > [your name] > iCloud > iCloud Backup, then tap your iPhone (This iPhone).
2. To reduce the size of a backup, tap the apps you don't want to back up anymore; the apps' existing backup data will also be deleted from iCloud.

For more information, see the Apple Support article [Manage your iCloud storage](#).

Back up iPhone using your Mac

You can save a backup of your iPhone on your Mac.

1. [Connect iPhone and your computer with a cable](#).
2. In the Finder sidebar on your Mac, select your iPhone.

To use the Finder to back up iPhone, macOS 10.15 or later is required. With earlier versions of macOS, [use iTunes](#) to back up iPhone.

3. At the top of the Finder window, click General.
4. Select “Back up all of the data on your iPhone to this Mac.”
5. To encrypt your backup data and protect it with a password, select “Encrypt local backup.”
6. Click Back Up Now.

Note: You can also connect iPhone to your computer wirelessly if you [set up syncing over Wi-Fi](#).

Back up iPhone using your Windows device

1. [Connect iPhone and your computer with a cable](#).
2. In the iTunes app on your PC, click the iPhone button near the top left of the iTunes window.
3. Click Summary.
4. Click Back Up Now (below Backups).
5. To encrypt your backups, select “Encrypt local backup,” type a password, then click Set Password.

To see the backups stored on your computer, choose Edit > Preferences, then click Devices. Encrypted backups have a lock icon in the list of backups.

Note: You can also connect iPhone to your computer wirelessly if you [set up syncing over Wi-Fi](#).

Reset iPhone settings to their defaults

Metadata

Summary: On iPhone, return settings to their defaults without erasing your content.

You can return your iPhone settings to their defaults without erasing your content.

If you want to save your settings, [back up iPhone](#) before resetting it. For example, if you're trying to solve a problem but resetting iPhone doesn't help, you might want to restore your previous settings from a backup.

1. Go to Settings  [ALT N/A] > General > Transfer or Reset iPhone > Reset.

WARNING: If you choose the Erase All Content and Settings option, all of your content is removed. See [Erase iPhone](#).

2. Choose an option:

- *Reset All Settings:* All settings—including network settings, the keyboard dictionary, location settings, privacy settings, and Apple Pay cards—are removed or reset to their defaults. No data or media are deleted.
- *Reset Network Settings:* All network settings are removed. In addition, the device name assigned in Settings > General > About is reset to “iPhone,” and manually trusted certificates (such as for websites) are changed to untrusted.

Cellular data roaming may also be turned off. (See [View or change cellular data settings on iPhone](#).)

When you reset network settings, previously used networks and VPN settings that weren't installed by a configuration profile or mobile device management (MDM) are removed. Wi-Fi is turned off and then back on, disconnecting you from any network you're on. The Wi-Fi and Ask to Join Networks settings remain turned on.

To remove VPN settings installed by a configuration profile, go to Settings > General > VPN & Device Management, select the configuration profile, then tap Remove Profile. This also removes other settings and accounts provided by the profile. See [Install or remove configuration profiles on iPhone](#).

To remove network settings installed by MDM, go to Settings > General > VPN & Device Management, select the management, then tap Remove Management. This also removes other settings and certificates provided by MDM. See “Mobile device management (MDM)” in the [Deployment Reference for iPhone and iPad](#).

- *Reset Keyboard Dictionary:* You add words to the keyboard dictionary by rejecting words iPhone suggests as you type. Resetting the keyboard dictionary erases only the words you've added.
- *Reset Home Screen Layout:* Returns the built-in apps to their original layout on the Home Screen.
- *Reset Location & Privacy:* Resets the location services and privacy settings to their defaults.

If you want to completely erase your iPhone, see [Erase iPhone using Settings](#).

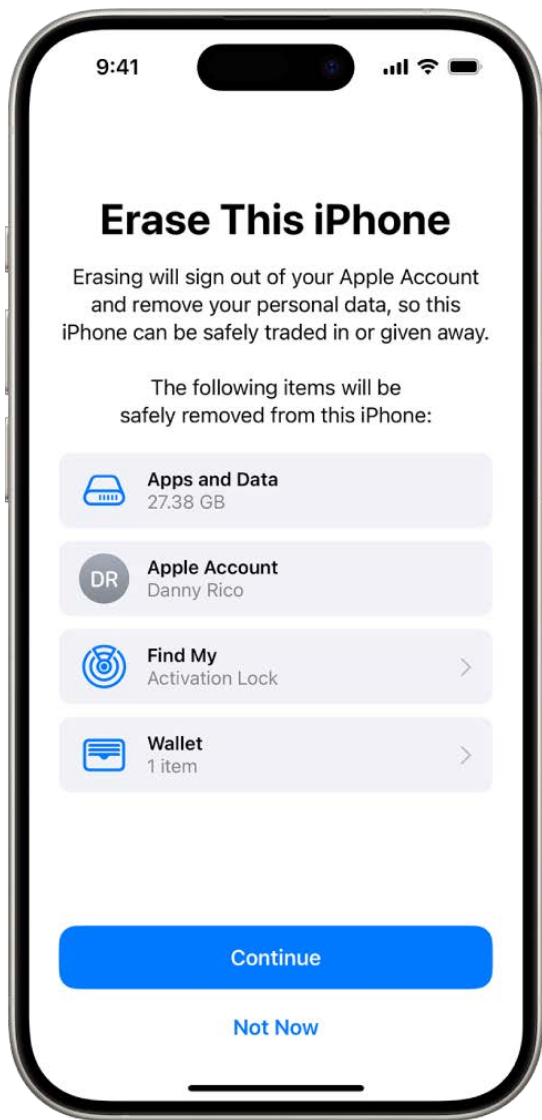
NAV TITLE: [Erase iPhone](#)

Erase iPhone

Metadata

Summary: Erase all content and settings from your iPhone and restore it to factory settings.

You can securely erase your personal information, content, and settings (such as privacy and network settings) from your iPhone. When you erase your iPhone, it's restored to factory settings. If you want to reset your iPhone settings but keep your personal content, see [Reset iPhone settings to their defaults](#).




[Alt text: The Erase This iPhone screen.]

- COMMENT - **Personal Safety content**

Before you begin


[Back up](#) your iPhone so you can restore your data later on a different device.

Erase iPhone using Settings

1. Go to Settings  [ALT N/A] > General > Transfer or Reset iPhone.
2. Tap Erase All Content and Settings.
3. If asked, enter your iPhone passcode or Apple Account password.
4. Tap Continue to confirm.

If you have an eSIM, you can choose to erase your eSIM or keep it. If you erase your eSIM, you need to contact your carrier to reactivate your cellular plan.

Erase iPhone using your Mac or Windows device

1. Connect your iPhone to your computer with a USB or USB-C cable.
2. On your Mac, click  [Alt text: the Finder icon] to open a Finder window, or open the Apple Devices app on your Windows device.

If your Mac is using macOS 10.14 or earlier, or your Windows device doesn't have the Apple Devices app, open iTunes instead.

3. Click the iPhone icon in the Finder sidebar (below Locations), then click General at the top of the window.
4. Click Restore iPhone, then click Restore to confirm.

Note: If you're signed in to Find My, you need to sign out before you can click Restore.

For troubleshooting, see the Apple Support article, [Restore your iPhone, iPad, or iPod to factory settings](#).

Related

[Sell, give away, or trade in your iPhone](#)

[Apple Support article: If you forgot your iPhone passcode, use your Mac or PC to reset it](#)

[Apple Support Article: How to erase the eSIM on your iPhone or iPad](#)

NAV TITLE: [Restore all content from a backup](#)

Restore all content to iPhone from a backup

Metadata

Summary: On iPhone, restore content, settings, and apps from a backup.

You can restore content, settings, and apps from a backup to a new or newly erased iPhone.

- COMMENT - **Personal Safety content**

Important: To restore your iPhone, you must have a backup to restore from. See [Back up iPhone](#).

Restore iPhone from an iCloud backup

1. Turn on your iPhone.

The Hello screen should appear. If you already set up your device, you need to [erase all of its content](#) before you can use these steps to restore from your backup.

2. Do one of the following:

- Tap Set Up Manually, tap Restore from iCloud Backup, then follow the onscreen instructions.
- If you have another iPhone, iPad, or iPod touch with iOS 11, iPadOS 13, or later, you can use Quick Start to automatically set up your new device. Bring the two devices close together, then follow the onscreen instructions to securely copy many of your settings, preferences, and iCloud Keychain. You can then restore the rest of your data and content to your new device from your iCloud backup.

Or, if both devices have iOS 12.4, iPadOS 13, or later, you can transfer all your data wirelessly from your previous device to your new one. Keep your devices near each other and plugged into power until the migration process is complete.

You're asked for your Apple Account. If you've forgotten your Apple Account, go to iforgot.apple.com.

Restore iPhone from a computer backup

1. [Using USB](#), connect a new or newly erased iPhone to the computer containing your backup.
2. Do one of the following:
 - *On a Mac (macOS 10.15 or later):* In the Finder sidebar, select your iPhone, click Trust, then click "Restore from this backup."
 - *On a Mac (macOS 10.14 or earlier) or a Windows device:* Open the iTunes app, click the button resembling an iPhone near the top left of the iTunes window, click Summary, then click Restore Backup.

Note: Use the latest version of iTunes. See the Apple Support article [Update to the latest version of iTunes](#).

3. Choose your backup from the list, then click Continue.

If your backup is encrypted, you must enter the password before restoring your files and settings.

See the Apple Support articles [Restore your iPhone, iPad, or iPod touch from a backup](#) and [If you can't update or restore your iPhone, iPad, or iPod touch](#).

NAV TITLE: [Restore purchased and deleted items](#)

Restore purchased and deleted items to iPhone

Metadata

Summary: You can download previously purchased items to iPhone, and you can recover recently deleted mail, photos, notes, and voice memos.

You can redownload items purchased from the App Store, Book Store, Apple TV app, and iTunes Store without repurchasing them. If you're part of a [Family Sharing](#) group, you can download items purchased by other family members, too. To restore purchases that aren't on your iPhone, see the following Apple Support articles:

- [Redownload apps and games from Apple](#)
- [Redownload books and audiobooks](#)
- [Redownload TV shows and movies that you purchased](#)
- [Redownload music](#)

You can also [recover recently deleted email](#), [photos](#), [notes](#), and [voice memos](#).

NAV TITLE: [Sell, give away, or trade in your iPhone](#)


Sell, give away, or trade in your iPhone

Metadata

Summary: Before you sell, give away, or trade in your iPhone, delete your content and settings.

Before you sell, give away, or trade in your iPhone, see the Apple Support article [What to do before you sell, give away, or trade in your iPhone, iPad, or iPod touch](#), and be sure to perform the following tasks:

- If you paired an Apple Watch with your iPhone, unpair your Apple Watch. (See the Apple Support article [Unpair and erase your Apple Watch](#).)
- [Back up iPhone](#). If you replace one iPhone with another, you can [use the setup assistant](#) to restore the backup to your new iPhone.


If you're replacing your iPhone with another one you have on hand, you can use extra free storage in iCloud to move your apps and data from one iPhone to another. Go to Settings  [ALT N/A] > General > Transfer or Reset iPhone > Get Started, then follow the onscreen instructions.

- Sign out of iCloud and the iTunes & App Store. Go to Settings > *[your name]*, scroll down, tap Sign Out, enter your Apple Account password, then tap Turn Off.
- [Erase all content and settings](#) that contain personal information. If you previously [turned on Find My](#) for your iPhone, Activation Lock is removed when you erase iPhone, making it ready for a new owner.

Install or remove configuration profiles on iPhone

Metadata

Summary: On iPhone, install configuration profiles for settings used by corporate or school networks or accounts.

Configuration profiles define settings for using iPhone with corporate or school networks or accounts. You might be asked to install a configuration profile that was sent to you in an email, or one that's downloaded from a webpage. You're asked for permission to install the profile and, when you open the file, information about what it contains is displayed. You can see the profiles you have installed in Settings  [ALT N/A] > General > VPN & Device Management. If you delete a profile, all of the settings, apps, and data associated with the profile are also deleted.

- COMMENT - **Personal Safety content**

Safety, handling, and support

Important safety information for iPhone

Metadata

Summary: Important safety information about your iPhone.

WARNING: Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to iPhone or other property. Read all the safety information below before using iPhone.

Handling. Handle iPhone with care. It is made of metal, glass, and plastic and has sensitive electronic components inside. iPhone or its battery can be damaged if dropped, burned, punctured, or crushed, or if it comes in contact with liquid. If you suspect damage to iPhone or the battery, discontinue use of iPhone, as it may cause overheating or injury. Don't use iPhone with cracked glass, as it may cause injury. If you're concerned about scratching the surface of iPhone, consider using a case or cover.

Repairing. iPhone should only be serviced by a trained technician. Disassembling iPhone may damage it, result in loss of splash and water resistance ([supported models](#)), or cause injury to you. If iPhone is damaged or malfunctions, you should contact Apple, or an Apple Authorized Service Provider for service. Repairs performed by untrained individuals or using non-genuine Apple parts may affect the safety and functionality of the device. You can find more information about repairs and service at the [iPhone Repair website](#).

Battery. An iPhone battery should only be repaired by a trained technician to avoid battery damage, which could cause overheating, fire, or injury. Batteries should be recycled or disposed of separately from household waste and according to local environmental laws and guidelines. For information about battery service and recycling, see the [Battery Service and Recycling website](#).

P10 **Note:** 电池只能由 Apple 或 Apple 授权服务提供商进行更换，用错误型号电池更换会有爆炸危险。 - COMMENT - #zhcn

Lasers. The proximity sensor in iPhone 7 and later, the TrueDepth camera system, and the LiDAR Scanner contain one or more lasers. These laser systems may be disabled for safety reasons if the device is damaged or malfunctions. If you receive a notification on your iPhone that the laser system is disabled, you should contact Apple or an Apple Authorized Service Provider for service. Improper repair, modification, or use of non-genuine Apple components in the laser systems may prevent the safety mechanisms from functioning properly, and could cause hazardous exposure and injury to eyes or skin.

Distraction. Using iPhone in some circumstances may distract you and might cause a dangerous situation (for example, avoid listening to music with headphones while riding a bicycle and avoid typing a text message while driving a car). Observe rules that prohibit or restrict the use of mobile devices or headphones. For more about safety while driving, see [Stay focused while driving with iPhone](#).

Navigation. Maps depends on data services. These data services are subject to change and may not be available in all countries or regions, resulting in maps and location-based information that may be unavailable, inaccurate, or incomplete. Compare the information provided in Maps to your surroundings. Use common sense when navigating. Always observe current road conditions and posted signs to resolve any discrepancies. Some Maps features require Location Services.

Charging. To charge iPhone, do any of the following:

- [Charge the iPhone battery](#) using the charging cable (included) and an Apple USB power adapter (sold separately).
- [Place iPhone face up](#) on MagSafe Charger or MagSafe Duo Charger (connected to Apple 20W USB-C power adapter or other compatible power adapter) or [on a Qi-certified charger](#). (MagSafe Charger, MagSafe Duo Charger, power adapters, and Qi-certified chargers are sold separately.)
- [Connect iPhone and your computer with a cable](#).

You can also charge iPhone with “Made for iPhone” or other third-party cables and power adapters that are compliant with USB 2.0 or later and with applicable country regulations and international and regional safety standards. Other adapters may not meet applicable safety standards, and charging with such adapters could pose a risk of death or injury.

P10 请使用符合适用标准且经 CCC 认证的电源适配器给 iPhone 充电。 - COMMENT - #zhcn

Using damaged cables or chargers, or charging when moisture is present, can cause fire, electric shock, injury, or damage to iPhone or other property. When you use the charging cable (included) or a wireless charger (sold separately) to charge iPhone, make sure its USB connector is fully inserted into a compatible power adapter before you plug the adapter into a power outlet. It’s important to keep iPhone, the charging cable, the power adapter, and any wireless charger in a well-ventilated area when in use or charging. When using a wireless charger, remove metallic cases and avoid placing metallic foreign objects on the charger (for example, keys, coins, batteries, or jewelry), as they may become warm or interfere with charging.

Charging cable and connector. Avoid prolonged skin contact with the charging cable and connector when the charging cable is connected to a power source because it may cause discomfort or injury. Sleeping or sitting on the charging cable or connector should be avoided.

Prolonged heat exposure. iPhone and Apple USB power adapters (sold separately) comply with required surface temperature limits defined by applicable country regulations and international and regional safety standards. However, even within these limits, sustained contact with warm surfaces for long periods of time may cause discomfort or injury. Use common sense to avoid situations where your skin is in contact with a device, its power adapter, or a wireless charger when it’s operating or connected to a power source for long periods of time. For example, don’t sleep on a device, power adapter, or wireless charger, or place them under a blanket, pillow, or your body, when it’s connected to a power source. Keep your iPhone, the power adapter, and any wireless charger in a well-ventilated area when in use or charging. Take special care if you have a physical condition that affects your ability to detect heat against the body.

USB power adapter. (sold separately) To operate an Apple USB power adapter safely and reduce the possibility of heat-related injury or damage, plug the power adapter directly into a power outlet. Don't use the power adapter in wet locations, such as near a sink, bathtub, or shower stall, and don't connect or disconnect the power adapter with wet hands. Stop using the power adapter and any cables if any of the following conditions exist:

- The power adapter plug or prongs are damaged.
- The charge cable becomes frayed or otherwise damaged.
- The power adapter is exposed to excessive moisture, or liquid is spilled into the power adapter.
- The power adapter has been dropped, and its enclosure is damaged.

Apple 20W USB-C power adapter specifications:

- *Frequency:* 50 to 60 Hz, single phase
- *Line voltage:* 100 to 240 V
- *Output power:* 5V/3A or 9V2.2A
- *Output Port:* USB-C

Apple 18W USB-C power adapter specifications:

- *Frequency:* 50 to 60 Hz, single phase
- *Line voltage:* 100 to 240 V
- *Output power:* 5V/3A or 9V/2A
- *Output Port:* USB-C


Apple 5W USB power adapter specifications:


- *Frequency:* 50 to 60 Hz, single phase
- *Line voltage:* 100 to 240 V
- *Output power:* 5V/1A
- *Output Port:* USB

Hearing loss. Listening to sound at high volumes may damage your hearing. Background noise, as well as continued exposure to high volume levels, can make sounds seem quieter than they actually are. Turn on audio playback and check the volume before inserting anything in your ear. For information about how to set a maximum volume limit, see [Use hearing health features in Health on iPhone](#). For more information about hearing loss, see the [Sound and Hearing website](#).

WARNING: To prevent possible hearing damage, do not listen at high volume levels for long periods.

P10 **进网许可。** iPhone已获得中国电信设备进网许可，进网许可标志可在产品外包装或者屏幕保护膜上查看。 -COMMENT- #zhcn

Radio frequency exposure. iPhone uses radio signals to connect to wireless networks. For information about radio frequency (RF) energy resulting from radio signals, and steps you can take to minimize exposure, go to Settings  [ALT N/A] > General > Legal & Regulatory > RF Exposure, or see the [RF Exposure website](#).

Radio frequency interference. Observe signs and notices that prohibit or restrict the use of electronic devices. Although iPhone is designed, tested, and manufactured to comply with regulations governing radio frequency emissions, such emissions from iPhone can negatively affect the operation of other electronic equipment, causing them to malfunction. When use is prohibited, such as while traveling in aircraft, or when asked to do so by authorities, turn off iPhone, or [use airplane mode](#) or Settings  [ALT N/A] > Wi-Fi and Settings > Bluetooth to turn off the iPhone wireless transmitters.

P9 **Medical device interference.** iPhone and MagSafe accessories contain magnets as well as components and/or radios that emit electromagnetic fields. These magnets and electromagnetic fields might interfere with medical devices.

P10 **Medical device interference.** iPhone and MagSafe accessories contain magnets as well as components and radios that emit electromagnetic fields. These magnets and electromagnetic fields may interfere with medical devices, such as cochlear implants, hearing aids, pacemakers, and defibrillators. -COMMENT- #zhcn

Consult your physician and medical device manufacturer for information specific to your medical device and whether you need to maintain a safe distance of separation between your medical device and iPhone and MagSafe accessories. Manufacturers often provide recommendations on the safe use of their devices around wireless or magnetic products to prevent possible interference. If you suspect iPhone and MagSafe accessories are interfering with your medical device, stop using these products.

Medical devices such as implanted pacemakers and defibrillators may contain sensors that respond to magnets and radios when in close contact. To avoid any potential interactions with these devices, keep your MagSafe compatible iPhone models and MagSafe accessories a safe distance away from your device (more than 6 inches/15 cm, or more than 12 inches/30 cm while wirelessly charging, but consult with your physician and your device manufacturer for specific guidelines).

Not a medical device. iPhone is not a medical device and should not be used as a substitute for professional medical judgment. It is not designed or intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of any condition or disease. Please consult your healthcare provider prior to making any decisions related to your health.

Medical conditions. If you have any medical condition or experience symptoms that you believe could be affected by iPhone or flashing lights (for example, seizures, blackouts, eyestrain, or headaches), consult with your physician prior to using iPhone.

Explosive and other atmospheric conditions. Charging or using iPhone in any area with a potentially explosive atmosphere, such as areas where the air contains high levels of flammable chemicals, vapors, or particles (such as grain, dust, or metal powders), may be hazardous. Exposing iPhone to environments having high concentrations of industrial chemicals, including near evaporating liquified gasses such as helium, may damage or impair iPhone functionality. Obey all signs and instructions.

Repetitive motion. When you perform repetitive activities such as typing, swiping, or playing games on iPhone, you may experience discomfort in your hands, arms, wrists, shoulders, neck, or other parts of your body. If you experience discomfort, stop using iPhone and consult a physician.

High-consequence activities. This device is not intended for use where the failure of the device could lead to death, personal injury, or severe environmental damage.

Choking hazard. Some iPhone accessories may present a choking hazard to small children. Keep these accessories away from small children.

For Australian customers, see the [Online Safety resources website](#).


NAV TITLE: [Important handling information](#)

Important handling information for iPhone

Metadata

Summary: Important handling information about your iPhone.

Cleaning. Clean iPhone immediately if it comes in contact with anything that may cause stains, or other damage—for example, dirt or sand, ink, makeup, soap, detergent, acids or acidic foods, or lotions. To clean:

- Disconnect all cables, then do one of the following to turn off iPhone:
 - *On an iPhone with Face ID:* Simultaneously press and hold the side button and either volume button until the sliders appear, then drag the top slider.
 - *On an iPhone with a Home button:* Press and hold the side button, then drag the slider.
 - *All models:* Go to Settings  [ALT N/A] > General > Shut Down, then drag the slider.
- Use a soft, slightly damp, lint-free cloth—for example, a lens cloth.

- Avoid getting moisture in openings.
- Don't use cleaning products or compressed air.

iPhone has a fingerprint-resistant oleophobic (oil-repellant) coating. This coating wears over time with normal usage. Cleaning products and abrasive materials will further diminish the coating and may scratch iPhone.

Exposure to liquid and dust. If liquid splashes on iPhone or dust gets on it, wipe it off with a soft, lint-free cloth (for example, a lens cloth) and ensure that your iPhone is dry and free of dust before opening the SIM tray. Minimize exposing iPhone to soap, detergent, acids or acidic foods, and any liquids—for example, salt water, soapy water, pool water, perfume, insect repellent, lotion, sunscreen, oil, adhesive remover, hair dye, and solvents. If iPhone comes into contact with any of these substances, follow the instructions above in the Cleaning section.

[Supported models](#) are splash, water, and dust resistant and were tested under controlled laboratory conditions with a rating of either IP68 or IP67 under IEC standard 60529. Splash, water, and dust resistance are not permanent conditions and resistance might decrease as a result of normal wear. Liquid damage not covered under warranty. See the Apple Support article [About splash, water, and dust resistance of iPhone 7 and later](#). To prevent liquid damage on iPhone, avoid the following:

- Swimming or bathing with iPhone
- Exposing iPhone to pressurized water or high velocity water, such as when showering, water skiing, wake boarding, surfing, jet skiing, and so on
- Using iPhone in a sauna or steam room
- Intentionally submerging iPhone in water
- Operating iPhone outside the suggested temperature ranges or in extremely humid conditions
- Dropping iPhone or subjecting it to other impacts
- Disassembling iPhone, including removing screws

If your iPhone has been exposed to liquid, unplug all cables and do not charge your device until it's completely dry. Using accessories or charging when wet may damage your iPhone. Allow at least 5 hours before charging or connecting a Lightning or USB-C accessory.

To dry iPhone, tap it gently against your hand with the Lightning or USB-C connector facing down to remove excess liquid. Leave the device in a dry area with sufficient airflow. Placing the device in front of a fan blowing cool air directly into the Lightning or USB-C connector may help the drying process.

Do not dry your iPhone using an external heat source or insert a foreign object into the Lightning or USB-C connector such as a cotton swab or a paper towel.

Using connectors, ports, and buttons. Never force a connector into a port or apply excessive pressure to a button, because this may cause damage that is not covered under the warranty. If the connector and port don't join with reasonable ease, they probably don't match. Check for obstructions and make sure that the connector matches the port and that you have positioned the connector correctly in relation to the port.

USB-C or USB-C to Lightning Cables. Discoloration of the Lightning or USB-C connector after regular use is normal. Dirt, debris, and exposure to moisture may cause discoloration. If your Lightning or USB-C cable or connector becomes warm during use or iPhone won't charge or sync, disconnect it from your computer or power adapter and clean the Lightning or USB-C connector with a soft, dry, lint-free cloth. Do not use liquids or cleaning products when cleaning the Lightning or USB-C connector.

Certain usage patterns can contribute to the fraying or breaking of cables. The included cable, like any other metal wire or cable, is subject to becoming weak or brittle if repeatedly bent in the same spot. Aim for gentle curves instead of angles in the cable. Regularly inspect the cable and connector for any kinks, breaks, bends, or other damage. Should you find any such damage, discontinue use of the cable.

Operating temperature. iPhone is designed to work in ambient temperatures between 32° and 95° F (0° and 35° C) and stored in temperatures between -4° and 113° F (-20° and 45° C). iPhone can be damaged and battery life shortened if stored or operated outside of these temperature ranges. Avoid exposing iPhone to dramatic changes in temperature or humidity. When you're using iPhone or charging the battery, it is normal for iPhone to get warm.

If the interior temperature of iPhone exceeds normal operating temperatures (for example, in a hot car or in direct sunlight for extended periods of time), you may experience the following as it attempts to regulate its temperature:

- iPhone stops charging.
- The screen dims.
- A temperature warning screen appears.
- Some apps may close.

Important: You may not be able to use iPhone while the temperature warning screen is displayed. If iPhone can't regulate its internal temperature, it goes into deep sleep mode until it cools. Move iPhone to a cooler location out of direct sunlight and wait a few minutes before trying to use iPhone again.

See the Apple Support article [Keeping iPhone, iPad, and iPod touch within acceptable operating temperatures](#).



Find more resources for iPhone software and service

Metadata

Summary: For iPhone, find more information about safety, software, and service from a number of resources.

Refer to the following resources to get more iPhone-related safety, software, and service information.

(table aria-label=Where to go for more information)

To learn about	Do this
Using iPhone safely	See Important safety information for iPhone .
iPhone service and support, tips, forums, and Apple software downloads	See the iPhone Support website .
Service and support from your carrier	Contact your carrier or go to your carrier's website.
The latest information about iPhone	See the iPhone website .
Getting personalized support (not available in all countries or regions)	See the Apple Support website .
Managing your Apple Account	Sign in to your Apple Account .
Using iCloud	See the iCloud User Guide .
Using iTunes for Windows	See the iTunes User Guide for Windows .
Using other Apple iPhone apps	See the App Store Support website .
Finding your iPhone serial number, IMEI, ICCID, or MEID	You can find your iPhone serial number, International Mobile Equipment Identity (IMEI), Integrated Circuit Card Identifier (ICCID), or Mobile Equipment Identifier (MEID) on the iPhone packaging. Or, on iPhone, go to Settings  [ALT N/A] > General > About. See the Apple Support article Find the serial number or IMEI on your iPhone, iPad, or iPod touch .
Obtaining warranty service	First follow the advice in this guide, then see the iPhone Support website .
Viewing iPhone regulatory information	On iPhone, go to Settings  [ALT N/A] > General > Legal & Regulatory.
Battery service	See the Battery Service and Recycling website .
Battery performance and health	See the iPhone Battery and Performance website .
Using iPhone in an enterprise environment	See the Apple at Work website .

FCC compliance statement

Metadata

Summary: FCC compliance statement for iPhone and Apple-branded charging accessories.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this product not authorized by Apple could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product.

This product has demonstrated EMC compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, televisions, and other electronic devices.

The operation of this device is prohibited on oil platforms and aircraft, except that operation of this device in 5.925–6.425 GHz is permitted in large aircraft while flying above 10,000 feet.

Installation on outdoor fixed infrastructure is prohibited.

Operation of transmitters in the 5.925–7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

Responsible party (contact for FCC matters only):

Apple Inc.

One Apple Park Way, MS 911-AHW

Cupertino, CA 95014

USA

apple.com/contact

ISED Canada compliance statement

Metadata

Summary: ISED Canada compliance statement for iPhone and Apple-branded charging accessories.

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Device operation in the 5925–7125 MHz band shall not be used for control of or communications with unmanned aircraft systems, or on oil platforms, or on aircraft, except for the low-power indoor access points, indoor subordinate devices, low-power client devices, and very low-power devices operating in the 5.925-6.425 GHz band, that may be used on large aircraft as defined by the Canadian Aviation Regulations, while flying above 3,048 meters (10,000 feet).

Device operation in the 5925–7125 MHz band shall not be used on automobiles, trains, or maritime vessels (except for very low-power devices).

Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

La bande 5150–5250 MHz est réservée uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Les appareils fonctionnant dans la bande 5925–7125 MHz ne doivent pas être utilisés pour le contrôle ou la communication avec des systèmes d'aéronefs sans pilote, ou sur des plateformes pétrolières ou à bord d'aéronefs, à l'exception des points d'accès intérieurs à faible puissance, des appareils subordonnés intérieurs, des appareils clients à faible puissance et des appareils à très faible puissance fonctionnant dans la bande 5,925-6,425 GHz, qui peuvent être utilisés sur de gros aéronefs tels que définis par le Règlement de l'aviation canadien, lorsqu'ils volent à plus de 3048 mètres (10 000 pieds).

Les appareils fonctionnant dans la bande 5925–7125 MHz ne doivent pas être utilisés sur les automobiles, les trains ou les navires (à l'exception des appareils à très faible puissance).

P10

微功率短距离设备声明

Metadata

Summary: [Micro power short range device statement for iPhone.](#)

- COMMENT - [#zhcn - Micro power short range device statement](#)

- COMMENT - [#zhcn - SRD logo to come](#)

使用微功率短距离无线电发射设备应当符合国家无线电管理有关规定。

- 符合“微功率短距离无线电发射设备目录和技术要求”中通用微功率设备C类设备技术要求，用于NFC应用。型号A3092、A3096、A3104、A3108还符合通用微功率设备G类设备技术要求，A3104、A3108还符合通用微功率设备F类设备技术要求，用于数据通信应用。采用内置天线。控制、开关等信息请参考iPhone使用手册。
- 不得擅自改变使用场景或使用条件、扩大发射频率范围、加大发射功率(包括额外加装射频功率放大器)，不得擅自更改发射天线。
- 不得对其他合法的无线电台(站)产生有害干扰，也不得提出免受有害干扰保护。
- 应当承受辐射射频能量的工业、科学及医疗(ISM)应用设备的干扰或其他合法的无线电台(站)干扰。

- 如对其他合法的无线电台(站)产生有害干扰时，应立即停止使用，并采取措施消除干扰后方可继续使用。
- 在航空器内和依据法律法规、国家有关规定、标准划设的射电天文台、气象雷达站、卫星地球站(含测控、测距、接收、导航站)等军民用无线电台(站)、机场等的电磁环境保护区域内使用微功率设备，应当遵守电磁环境保护及相关行业主管部门的规定。
- 禁止在以机场跑道中心点为圆心、半径5000米的区域内使用各类模型遥控器。
- 微功率部分使用时温度和电压的环境条件与iPhone相同。

P10

无线充电设备声明

Metadata

Summary: 无线充电设备声明。

- COMMENT - #zhcn - new statement

- COMMENT - #zhcn - WPT logo to come

(table aria-label=无线充电设备声明)

产品名称	额定传输功率	额定工作频率	型号
iPhone	7.5 W	127.7 kHz	A2100、A2104、A2108、A2217、A2220、A2223、A2298、A2400、A2404、A2408、A2412、A2629、A2634、A2639、A2644、A2785、A2884、A2888、A2892、A2896、A3092、A3096、A3104、A3108

- 设备采用的无线充电机理为磁感应；
- 设备符合国家《无线充电（电力传输）设备无线电管理暂行规定》以及产品质量、电磁辐射和电气安全等法律法规、国家标准等有关规定；
- 不得擅自改变使用场景或使用条件、扩大工作频率范围、加大传输功率（包括额外加装功率放大器）；
- 不得对其他合法的无线电业务及台（站）产生有害干扰，也不得提出免受无线电干扰和辐射无线电波干扰的保护要求，如对其他合法的无线电业务及台（站）产生有害干扰时，应立即停止使用，并在采取措施消除有害干扰后方可继续使用；
- 无线充电设备禁用区域，禁止使用无线充电功能；
- 使用无线充电设备如对广播业务的接收造成影响，应立即停止使用无线充电设备；




- 在船舶、航空器和铁路机车（含动车组列车）内使用无线充电设备应当遵守本规定及相关行业主管部门的规定。

Ultra Wideband information

Metadata

Summary: Ultra Wideband is available on all iPhone 11, iPhone 12, iPhone 13, iPhone 14, iPhone 15, and iPhone 16 models, and availability varies by region.

Ultra Wideband is available on all iPhone 11, iPhone 12, iPhone 13, iPhone 14, iPhone 15, and iPhone 16 models, and availability varies by region.

Ultra Wideband must be turned off when onboard aircraft, ships, and other prohibited regions by turning on airplane mode. To turn on airplane mode, [open Control Center](#), then tap  [Alt text: the Airplane Mode Switch button]. You can also turn airplane mode on or off in Settings  [ALT N/A]. When airplane mode is on,  [Alt text: the Airplane Mode icon] appears in the status bar.

Australia: Ultra Wideband transmitters must not be operated within a nominated distance from specified Australian radio-astronomy sites. For further information about nominated distance, please refer to the Radiocommunications (Low Interference Potential Devices) Class License 2015 published by the Australian Communications and Media Authority.

P10 *China:* Ultra Wideband is prohibited in aircraft, and can be turned off by [turning on airplane mode](#). It is prohibited to use Ultra Wideband radio transmitting equipment within 1km around radio astronomical observatory listed in footnote - “CHN12” of “Provisions of the People’s Republic of China on Radio Spectrum Allocations”. Ultra Wideband radio transmitting equipment, is neither allowed to generate radio interference, nor to propose interference protection requirement to the station of other radio services. UWB application is used based on China radio regulatory management. There is potential risk that you can not use UWB in future if China SRRRC changes the frequency allocation. - COMMENT - #zhcn

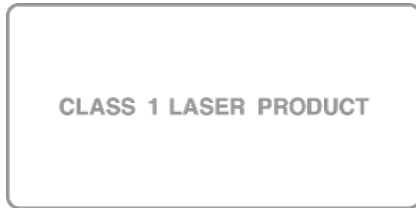
NAV TITLE: [Class 1 Laser information](#)

Class 1 Laser information for iPhone

Metadata

Summary: iPhone 7 and later are classified as Class 1 Laser products.

iPhone 7 and later are classified as [Class 1 Laser products](#) per IEC 60825-1 Ed. 3. These devices comply with 21 CFR 1040.10 and 1040.11, except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019. Caution: These devices contain one or more lasers. Use other than as described in the user guide, repair, or disassembly may cause damage, which could result in hazardous exposure to infrared laser emissions that are not visible. This equipment should be serviced by Apple or an authorized service provider.



[Alt text: A label reading "Class 1 laser product."]

NAV TITLE: [Apple and the environment](#)

Apple and the environment

Metadata

Summary: Apple operations, Apple products, and the environment.

At Apple, we recognize our responsibility to minimize the environmental impacts of our operations and products. See our [Environment website](#).

NAV TITLE: [Disposal and recycling information](#)

Disposal and recycling information for iPhone

Metadata

Summary: Disposal and recycling information for your iPhone.

Apple Recycling Program (available in some countries or regions)

For free recycling of your old device, a prepaid shipping label, and instructions, see the [Apple Trade In website](#).

Disposal and Recycling Information



[Alt text: disposal symbol]

The symbol above means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product and/or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For information about Apple's recycling program, recycling collection points, restricted substances, and other environmental initiatives, visit apple.com/environment.

Brasil – Informações sobre descarte e reciclagem

O símbolo acima indica que este produto e/ou sua bateria não devem ser descartados no lixo doméstico. Quando decidir descartar este produto e/ou sua bateria, faça-o de acordo com as leis e diretrizes ambientais locais. Para informações sobre substâncias de uso restrito, o programa de reciclagem da Apple, pontos de coleta e telefone de informações, visite apple.com/br/environment.

Información sobre eliminación de residuos y reciclaje

El símbolo de arriba indica que este producto y/o su batería no debe desecharse con los residuos domésticos. Cuando decidas desechar este producto y/o su batería, hazlo de conformidad con las leyes y directrices ambientales locales. Para obtener información sobre el programa de reciclaje de Apple, puntos de recolección para reciclaje, sustancias restringidas y otras iniciativas ambientales, visita apple.com/mx/environment o apple.com/la/environment.

Turkey environmental information

Türkiye Cumhuriyeti: AEEE Yönetmeliğine Uygundur.

Battery service

The lithium-ion battery in iPhone should be serviced by Apple or an authorized service provider, and must be recycled or disposed of separately from household waste. See the [Battery Service and Recycling website](#).

Dispose of batteries according to your local environmental laws and guidelines.

警告：不要刺破或焚燒。該電池不含水銀。

[Alt text: Battery statement]



廢電池請回收

[Alt text: Battery disposal warning]

警告：請勿戳刺或焚燒。此電池不含汞。

Unauthorized modification of iOS

Metadata

Summary: Unauthorized modifications to iOS (also known as “jailbreaking”) bypass security features and can cause numerous issues to the hacked iPhone.

iOS is designed to be reliable and secure from the moment you turn on your device. Built-in security features help protect against malware and viruses and secure user access to personal information and corporate data. Unauthorized modifications to iOS (also known as “jailbreaking”) bypass security features and can cause numerous issues such as security vulnerabilities, instability, and shortened battery life to the hacked iPhone.

- **Security vulnerabilities.** Jailbreaking your device eliminates security layers designed to protect your personal information and your iOS device. With this security removed from your iPhone, hackers may steal your personal information, damage your device, attack your network, or introduce malware, spyware, or viruses.
- **Instability.** Unauthorized modifications can cause frequent and unexpected crashes of the device, crashes and freezes of built-in apps and third-party apps, and loss of data.
- **Shortened battery life.** Hacked software can cause an accelerated battery drain that shortens the operation of iPhone on a single battery charge.
- **Unreliable voice and data.** Unauthorized modifications can cause dropped calls, slow or unreliable data connections, and delayed or inaccurate location data.
- **Disruption of services.** Services such as iCloud, iMessage, FaceTime, Apple Pay, Visual Voicemail, Weather, and Stocks, may be disrupted or no longer work on the device. Additionally, third-party apps that use the Apple Push Notification Service may experience difficulty receiving notifications or may receive notifications intended for a different device. Other push-based services, such as iCloud and Exchange, may experience problems syncing data with their respective servers.
- **Inability to apply future software updates.** Some unauthorized modifications may cause damage to iOS that is not repairable. This can result in the hacked iPhone becoming permanently inoperable when a future Apple-supplied iOS update is installed.

Apple strongly cautions against installing any software that modifies iOS. It is also important to note that unauthorized modification of iOS is a violation of the iOS and iPadOS Software License Agreement and because of this, Apple may deny service for an iPhone that has any unauthorized software installed.

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Every effort has been made to ensure that the information in this manual is accurate. Apple is not responsible for printing or clerical errors.

Some apps and features are not available in all areas. App and feature availability is subject to change.

Asides

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Apple Account

You use your Apple Account to access Apple services like the App Store, Apple Music, iCloud, FaceTime, the iTunes Store, and more.

- To sign in to your Apple Account, use an email address or phone number on file for your account, and your password. See the Apple Support article [Use your mobile phone number as your Apple Account primary user name](#).
- Sign in to the same Apple Account to use any Apple service, on any device. That way, when you make purchases or download items on one device, the same items are available on your other devices. Your purchases are tied to your Apple Account, and can't be transferred to another Apple Account.
- It's best to have your own Apple Account and not share it. If you're part of a family group, you can use Family Sharing to share purchases between family members—without having to share an Apple Account.



To learn more about Apple Account, see the [Apple Account Support page](#). To create one, go to the [Apple Account website](#).

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Sign in to your Apple Account

Sign in to your Apple Account to access Apple services like the App Store, Apple Music, iCloud, FaceTime, Apple Books, and more.

You can sign in when you set up your Apple device or at any time:

- *On an iPhone or iPad:* Go to Settings  [ALT N/A] , then tap Apple Account.
- *On a Mac:* Choose Apple menu  [ALT N/A] > System Settings, then click “Sign in with your Apple Account” in the sidebar.

If you don't have an Apple Account, you can create one.

You can view and change your Apple Account information, including your name, photo, contact information, password, security settings, and payment and shipping information.

Your information and content are available on all your devices where you're signed in to the same Apple Account. See the Apple Support article [Sign in to your Apple Account](#).

NoIndex

Go to the Home Screen

- *On an iPhone with Face ID:* Swipe up from the bottom edge of the screen.
- *On an iPhone with a Home button:* Press the Home button.

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Open Control Center

- *On an iPhone with Face ID:* Swipe down from the top-right corner of the screen.
- *On an iPhone with a Home button:* Swipe up from the bottom edge of the screen.

NoIndex

Activate Siri

Just say “Hey Siri” or:

- *On an iPhone with Face ID:* Press and hold the side button, then make your request.
- *On an iPhone with a Home button:* Press and hold the Home button, then make your request.

Models with Face ID

- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro

- iPhone 16 Pro Max


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Models with Touch ID

- iPhone SE (all generations)

NoIndex

Update iOS

Go to Settings  [ALT N/A] > General > Software Update.

The screen shows the currently installed version of iOS and whether an update is available.

NoIndex

Models that support Tap to Wake

- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max

- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support eSIM

The following models support eSIM (except on models purchased in China):

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini

- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support 5G

- iPhone SE (3rd generation)
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14

- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Dual SIM

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro

- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

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Models that support Dual SIM with two physical SIM cards

- COMMENT - #zhcn (China only) - list of models that support dual physical SIM cards

In China mainland, Hong Kong, and Macao, the following models support Dual SIM with two nano-SIM cards:

- iPhone XR – A2107 and A2108
- iPhone XS Max – A2103 and A2104
- iPhone 11 – A2223
- iPhone 11 Pro – A2217
- iPhone 11 Pro Max – A2220
- iPhone 12 – A2404
- iPhone 12 Pro – A2408
- iPhone 12 Pro Max – A2412
- iPhone 13 – A2634

- iPhone 13 Pro – A2639
- iPhone 13 Pro Max – A2644
- iPhone 14 – A2884
- iPhone 14 Plus – A2888
- iPhone 14 Pro – A2892
- iPhone 14 Pro Max – A2896
- iPhone 15 – A3092
- iPhone 15 Plus – A3096
- iPhone 15 Pro – A3104
- iPhone 15 Pro Max – A3108
- iPhone 16 – A3288
- iPhone 16 Plus – A3291
- iPhone 16 Pro – A3294
- iPhone 16 Pro Max – A3297

NoIndex

Models with information labels on the SIM tray and in the SIM tray opening

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro

- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 (except on models purchased in the U.S.)
- iPhone 14 Plus (except on models purchased in the U.S.)
- iPhone 14 Pro (except on models purchased in the U.S.)
- iPhone 14 Pro Max (except on models purchased in the U.S.)
- iPhone 15 (except on models purchased in the U.S.)
- iPhone 15 Plus (except on models purchased in the U.S.)
- iPhone 15 Pro (except on models purchased in the U.S.)
- iPhone 15 Pro Max (except on models purchased in the U.S.)
- iPhone 16 (except on models purchased in the U.S.)
- iPhone 16 Plus (except on models purchased in the U.S.)
- iPhone 16 Pro (except on models purchased in the U.S.)
- iPhone 16 Pro Max (except on models purchased in the U.S.)

NoIndex

Models with ProMotion display technology

- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Open the App Switcher

- *On an iPhone with Face ID:* Swipe up from the bottom edge and pause in the center of the screen.
- *On an iPhone with a Home button:* Double-click the Home button.

NoIndex

Models with True Tone Display

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max

- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Display Zoom

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone Xs
- iPhone Xs Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus

- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Depth Effects on the Lock Screen

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max

- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models with haptic feedback

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13

- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models with an Action button

- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models with Always-On Display

- iPhone 14 Pro

- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models with a Dynamic Island

- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Quick actions menu

A list of options that opens when you touch and hold an item on the Home Screen or Lock Screen.

NoIndex

Models that support Live Text, Visual Look Up, and lifting a subject from the background

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support dictation commands to edit text

- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Minimum system requirements for Apple Arcade

- iPhone with iOS 13
- iPad with iPadOS 13
- Mac with macOS 10.15
- Apple TV with tvOS 13

Note: The availability of Apple Arcade games across devices varies based on hardware and software compatibility.

NoIndex

Models with Dual or Triple camera systems

- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro

- iPhone 16 Pro Max

NoIndex

Models that support portraits in Photo mode

- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Action mode

- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Cinematic mode

- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support turning View Outside the Frame off and on

- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12

- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Night mode

- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max

- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that preserve the Night mode setting

- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14

- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support slow-motion recording with the front camera

- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus

- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Lock Camera

- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro

- iPhone 16 Pro Max

NoIndex

Models that preserve the Auto Macro setting

- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that preserve the Portrait mode zoom setting

- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that preserve the ProRAW & Resolution Control setting

- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that preserve the Apple ProRes setting

- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max
- iPhone 16 Pro

- iPhone 16 Pro Max

NoIndex

Models that support Enhanced Stabilization

- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Night mode in Portrait mode

- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max

- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Night mode in selfies and time-lapse videos

- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Apple ProRAW

- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro

- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support macro photography

- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support ProRes video recording

- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max

- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Action mode

- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support HDR video

- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15

- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support turning Lens Correction off and on

- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus

- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Cinematic mode zoom

- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models with the Camera Control

- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Photographic Styles

- iPhone SE (3rd generation)
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro

- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models with a TrueDepth camera

- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13

- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Studio Light in FaceTime

- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro

- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support camera effects in FaceTime

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14

- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

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Minimum system requirements for SharePlay and screen sharing

- iPhone with iOS 15.1
- iPad with iPadOS 15.1
- Mac with macOS 12.1
- Apple TV with tvOS 15.1

On a device with iOS 15.4, iPadOS 15.4, or later, you can start a FaceTime call in the Music app (or other supported music app) or the Apple TV app (or other supported video app) and use SharePlay to share music or video content with others on the call.

NoIndex

Models that support Spatial Audio, Voice Isolation, and Wide Spectrum

- iPhone SE (2nd generation and later)
- iPhone XR

- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Sign Language Detection

iPhone models:

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

iPad models:

- iPad mini (5th generation and later)

- iPad mini (A17 Pro)
- iPad (8th generation and later)
- iPad Air (3rd generation and later)
- iPad Air 11-inch (M2)
- iPad Air 13-inch (M2)
- iPad Pro 11-inch (all generations)
- iPad Pro 11-inch (M4)
- iPad Pro 12.9-inch (3rd generation and later)
- iPad Pro 13-inch (M4)

NoIndex

AirPods that support the Find My network

- AirPods 3
- AirPods 4 (both models)
- AirPods Pro (all generations)
- AirPods Max

For more information about how to turn on the Find My network for your AirPods, see [Turn on the Find My network](#) in the AirPods User Guide.

NoIndex

Beats headphones that support Find My

- Beats Fit Pro
- Beats Flex
- Beats Solo Pro
- Powerbeats Pro
- Powerbeats³ Wireless

NoIndex

Models that support home key

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max





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Models that support Thread pairing

- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

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Directions button

Indicates the estimated travel time to the destination from your current location, using either transit  [ALT N/A] directions when the Transit map is selected, or your default mode of travel (driving  [ALT N/A], walking  [ALT N/A], or cycling  [ALT N/A]) when the Explore, Driving, or Satellite map is selected.

To select a different map, tap the button at the top right. To change your default travel mode, go to Settings  [ALT N/A] > Apps > Maps, then choose an option below Preferred Type of Travel.

NoIndex

Models that support enhanced details in Maps

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro

- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models with a LiDAR Scanner

- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 Pro
- iPhone 13 Pro Max

- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16 Pro
- iPhone 16 Pro Max

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Collaborative playlist

A collection of media (such as songs or videos) that's shared with others in order to collaborate. The person who creates and shares the playlist is known as the *owner*. Everyone can add, remove, and reorder music in the playlist and react with emoji to songs.

NoIndex

Status bar

The row of status icons at the top of the screen that provide information about iPhone.

On models with Face ID, you can see additional status icons in Control Center.

NoIndex

Minimum system requirements for Apple TV+

- iPhone with iOS 12.3
- iPad with iOS 12.3
- Mac with macOS 10.15
- Apple TV with tvOS 12.3
- Smart TV or streaming device with the Apple TV app

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Apple Pay

A secure and private way to pay with your credit and debit cards using your Apple device. Get started by adding your credit, debit, or prepaid cards to your iPhone, iPad, Mac, Apple Watch, and Apple Vision Pro.

In the U.S., Apple Pay is a service provided by Apple Payments Services LLC, a subsidiary of Apple Inc. In other countries and regions, Apple Pay is a service provided by certain Apple affiliates, as designated by the [Apple Pay privacy notice](#). Neither Apple Inc. nor Apple Payments Services LLC nor any Apple affiliate is a bank. Any card used in Apple Pay is offered by the card issuer.

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Models that support Apple Intelligence


- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support on-device processing of Siri requests

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12

- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

Note: iPhone needs to download Siri speech models before it can process requests on-device. To check if your device uses on-device processing, go to Settings  [ALT N/A] > Siri & Search. If the text below Siri & Dictation History reads “Voice input is processed on iPhone,” the Siri speech models have been downloaded.

NoIndex

Models that support back-to-back requests for Siri

- iPhone SE (2nd generation and later)
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max

- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support saying “Siri”

- iPhone SE (2nd generation and later)
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini

- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

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Headphones that support Announce Calls

- AirPods 2, 3, and 4 (both models)
- AirPods Pro
- AirPods Max
- Beats Solo Pro
- Powerbeats Pro
- Powerbeats

- Beats Fit Pro

NoIndex

Types of Family Sharing members

Members of a Family Sharing group can have different roles depending on their age.

Note: The age at which someone is considered an adult or child varies by country or region.

- *Organizer:* An adult who sets up a Family Sharing group. The organizer can invite family members, remove family members, and disband the group.
- *Adult:* A member of the Family Sharing group who is 18 years or older.
- *Parent/Guardian:* An adult member of the Family Sharing group who can help manage parental controls for children in the group. When the organizer adds an adult to the Family Sharing group, they can designate them as a parent or guardian if there are child or teen members in the group.
- *Child or teen:* A member of the Family Sharing group under the age of 18. The organizer, parent, or guardian can create an Apple Account for a child who is too young to create their own. See the Apple Support article [Create an Apple Account for your child](#).

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Minimum ages for creating an Apple Account

The following are the minimum ages for creating an Apple Account by country.

Under 14:

- Austria
- Bulgaria
- China mainland
- Cyprus
- Israel
- Italy
- Lithuania
- South Korea
- Spain

Under 15:

- Czech Republic
- France
- Greece
- Peru
- Slovenia


Under 16:

- Brazil
- Croatia
- Germany
- Hungary
- Ireland
- Kosovo
- Liechtenstein
- Luxembourg
- Malaysia
- Netherlands
- Philippines
- Poland
- Romania
- Singapore
- Slovakia

In all other countries and regions, the minimum age for setting up an Apple Account is 13.

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Turn on Screen Time

1. Go to Settings  [ALT N/A] > Screen Time.
2. Tap App & Website Activity, then tap Turn On App & Website Activity.

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Models compatible with MagSafe accessories and chargers

- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

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Mac models that support AirPlay streaming

- MacBook Pro (2018 or later)

- MacBook Air (2018 or later)
- iMac (2019 or later)
- iMac Pro (2017)
- Mac mini (2020 or later)
- Mac Pro (2019)

NoIndex

Minimum system requirements for AirDrop

- iOS 7
- iPadOS 13
- OS X 10.10

Minimum requirements for Contacts Only

- iOS 10
- iPadOS 13
- macOS 10.12

Minimum requirements for Everyone for 10 Minutes

- iOS 16.2
- iPadOS 16.2

Note: On earlier versions of iOS and iPadOS, the option is called Everyone. If your device has an earlier version and AirDrop is set to Contacts Only, go to Control Center and select Everyone to receive items by AirDrop. You can deselect this option when you're not using AirDrop.



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NFC

NFC (near field communication) is a wireless technology that allows iPhone to exchange small bits of data from a short distance. It doesn't require any setup.

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Turn on Bluetooth on your Mac

- *macOS 13:* Choose Apple menu  [ALT N/A] > System Settings, click Bluetooth in the sidebar, then turn on Bluetooth.
- *macOS 12.5 or earlier:* Choose Apple menu  [ALT N/A] > System Preferences, click Bluetooth, then click Turn Bluetooth On.




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Turn on Bluetooth on your iPhone

Go to Settings  [ALT N/A] > Bluetooth, then turn on Bluetooth.

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Turn on Handoff

- *On an iPhone or iPad:* Go to Settings  [ALT N/A] > General > AirPlay & Continuity, then turn on Handoff.
- *On a Mac with macOS 13 or later:* Choose Apple menu  [ALT N/A] > System Settings, click General in the sidebar, click AirPlay & Continuity, then turn on “Allow Handoff between this Mac and your iCloud devices.”
- *On a Mac with macOS 12.5 or earlier:* Choose Apple menu  [ALT N/A] > System Preferences, click General, then select “Allow Handoff between this Mac and your iCloud devices.”

NoIndex


Turn on Wi-Fi on your Mac

On your Mac, click the Wi-Fi status menu  [ALT N/A] in the menu bar, then turn Wi-Fi on or off.

To connect to a Wi-Fi network, click the Wi-Fi status menu  [ALT N/A], then choose the network, or choose Other Network, then choose a network. (If the network is hidden, scroll to the bottom of the list of Other Networks, choose Other, enter the network name and password, then click Join.)


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Turn on Wi-Fi on your iPhone

Go to Settings  [ALT N/A] > Wi-Fi, then turn on Wi-Fi.






To join a network, tap one of the following:

- *A network:* Enter the password, if required.
- *Other:* Join a hidden network. Enter the name of the hidden network, security type, and password.

If  [Alt text: the Wi-Fi icon] appears at the top of the screen, iPhone is connected to a Wi-Fi network. (To verify this, open Safari to view a webpage.) iPhone reconnects when you return to the same location.


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Turn on Wi-Fi

- *On an iPhone with Face ID:* Swipe down from the top-right edge to open Control Center, then tap  [Alt text: the Wi-Fi status menu] to turn on Wi-Fi.
- *On an iPhone with Touch ID:* Swipe up from the bottom to open Control Center, then tap  [Alt text: the Wi-Fi status menu] to turn on Wi-Fi.
- *On an iPad:* Swipe down from the top-right edge to open Control Center, then tap  [Alt text: the Wi-Fi status menu] to turn on Wi-Fi.
- *On a Mac:* Click  [Alt text: the Control Center menu] in the menu bar, then click  [Alt text: the Wi-Fi status menu] to turn on Wi-Fi.

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Turn on Handoff on your Mac

- *macOS 13:* Choose Apple menu  [ALT N/A] > System Settings, click General in the sidebar, click AirDrop & Handoff, then turn on “Allow Handoff between this Mac and your iCloud devices.”
- *macOS 12.5 or earlier:* Choose Apple menu > System Preferences, click General, then select “Allow Handoff between this Mac and your iCloud devices.”




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Turn on Handoff on your iPhone

Go to Settings  [ALT N/A] > General > AirPlay & Continuity, then turn on Handoff.



NoIndex

Turn on Handoff

- *On an iPhone or iPad:* Go to Settings  [ALT N/A] > General > AirPlay & Continuity, then turn on Handoff.
- *On a Mac with macOS 13 or later:* Choose Apple menu  [ALT N/A] > System Settings, click General in the sidebar, click AirDrop & Handoff, then turn on “Allow Handoff between this Mac and your iCloud devices.”
- *On a Mac with macOS 12.5 or earlier:* Choose Apple menu  [ALT N/A] > System Preferences, click General, then select “Allow Handoff between this Mac and your iCloud devices.”

NoIndex

Use Bluetooth to connect your Mac and iPhone

- *macOS 13 or later:* Choose Apple menu  [ALT N/A] > System Settings, then click Bluetooth® in the sidebar. (You may need to scroll down.) On the right, turn on Bluetooth (if it’s not already on). Select your iPhone on the right, then click Connect.
- *macOS 12.5 or earlier:* Choose Apple menu  [ALT N/A] > System Preferences, then click Bluetooth. If Bluetooth isn’t turned on, click Turn Bluetooth On. Select your iPhone, then click Connect.

NoIndex

Control-click

Press and hold the Control key while you click an item using your mouse or trackpad.

NoIndex

Models with 3D Touch

- iPhone Xs

- iPhone XS Max

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Models that support Eye Tracking

- iPhone SE (3rd generation)
- iPhone 12
- iPhone 12 mini
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Music Haptics

- iPhone 12
- iPhone 12 mini
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Sound Recognition in CarPlay

- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max

- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Made for iPhone (MFi) accessories

Third-party hardware accessories that use Apple's MFi-licensed technology to connect to Apple devices.

NoIndex

Headphones that support Headphone Accommodations


- AirPods 2, 3, and 4 (both models)
- AirPods Max (iOS 14.3 or later)
- AirPods Pro
- Beats Fit Pro
- Beats Solo Pro
- EarPods
- Powerbeats
- Powerbeats Pro

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Two-factor authentication

If you created your Apple Account on a device with iOS 13.4, iPadOS 13.4, macOS 10.15.4, or later, your account automatically uses two-factor authentication.

Two-factor authentication for Apple Account is available in iOS 9, iPadOS 13, OS X 10.11, or later. If you previously created an Apple Account without two-factor authentication, follow these steps to turn on two-factor authentication:

1. Go to Settings  [ALT N/A] > [your name] > Sign-In & Security.

2. Tap Turn On Two-Factor Authentication, then follow the onscreen instructions.

Two-factor authentication helps prevent others from accessing your Apple Account (even if they know your Apple Account password), and certain features in iOS, iPadOS, and macOS require the security of two-factor authentication. When two-factor authentication is on, only you can access your account by using a trusted device. When you sign in to a new device for the first time, you need to provide two pieces of information—your Apple Account password and the six-digit verification code that’s automatically sent to your phone number or displayed on your trusted devices. By entering the code, you verify that you trust the new device.

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Models that are splash, water, and dust resistant

Models with a rating of IP67 under IEC standard 60529 at a maximum depth of 1 meter, up to 30 minutes:

- iPhone SE (2nd generation and later)
- iPhone XR

Models with a rating of IP68 under IEC standard 60529 at a maximum depth of 2 meters, up to 30 minutes:

- iPhone XS
- iPhone XS Max
- iPhone 11

Models with a rating of IP68 under IEC standard 60529 at a maximum depth of 4 meters, up to 30 minutes:

- iPhone 11 Pro
- iPhone 11 Pro Max

Models with a rating of IP68 under IEC standard 60529 at a maximum depth of 6 meters, up to 30 minutes:

- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max

- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

NoIndex

Models that support Ultra Wideband

- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13

- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 16
- iPhone 16 Plus
- iPhone 16 Pro
- iPhone 16 Pro Max

Note: Availability varies by country or region.

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Models classified as Class 1 Laser products

- iPhone SE (2nd generation and later)
- iPhone XR
- iPhone XS
- iPhone XS Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro

- iPhone 12 Pro Max
- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 15
- iPhone 15 Plus
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H

Deliverable Map

iPhone User Guide

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Configuration Page

Notes: -COMMENT - Conditions: P5=sensitive, P10 = ZH-CN iPhone

Project Configuration

SVN PROJECT: iPhone

ORIGINATOR: Stefan Smith

EMAIL: stefans@apple.com

VARIABLE DEFINITION: iPhone

VARIABLE DEFINITION: iOS

VARIABLE DEFINITION: Emergency SOS via satellite